42″ Lawn Tractors

Operating Manual

Model Nos. TMO-33940A
TMO-33941A
TMO-33942A

(Shown with Optional Grass Collector)

Montgomery Ward

INDEX

Dear Customer,

So often throughout the year we are all in a rush to meet our daily obligations.

However, we at Montgomery Ward are taking a quick moment out to say...

"Thank you for your business."

Sincerely,
MONTGOMERY WARD

INSTRUCTIONS GIVEN WITH THIS SYMBOL ARE FOR PERSONAL SAFETY. BE SURE TO FOLLOW THEM.

NOTICE: A data plate with the model number and serial numbers of your unit is located on the frame, under the seat. Record these number in the spaces provided on the back cover of this guide.

BEFORE YOU CALL SERVICE

Check Spark Plug Wire
- Firmly attached?
- Wire terminal clean?

Check Crankcase Oil Level
- Overfilled/underfilled?

Check Fuel Tank
- Fuel in tank?
- Fuel dirty or stale?
- If tank has been empty for a long period, fill tank completely.

Check Air Cleaner
- Clean?
- Choke plate stuck?
- Governor spring free to move?

Check under Blade Housing **(Disconnect Spark Plug First)**
- Blade obstructed or bent?

Check Starting Instructions
- Read instruction manuals and labels for specific instructions.

WARNING: This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator.

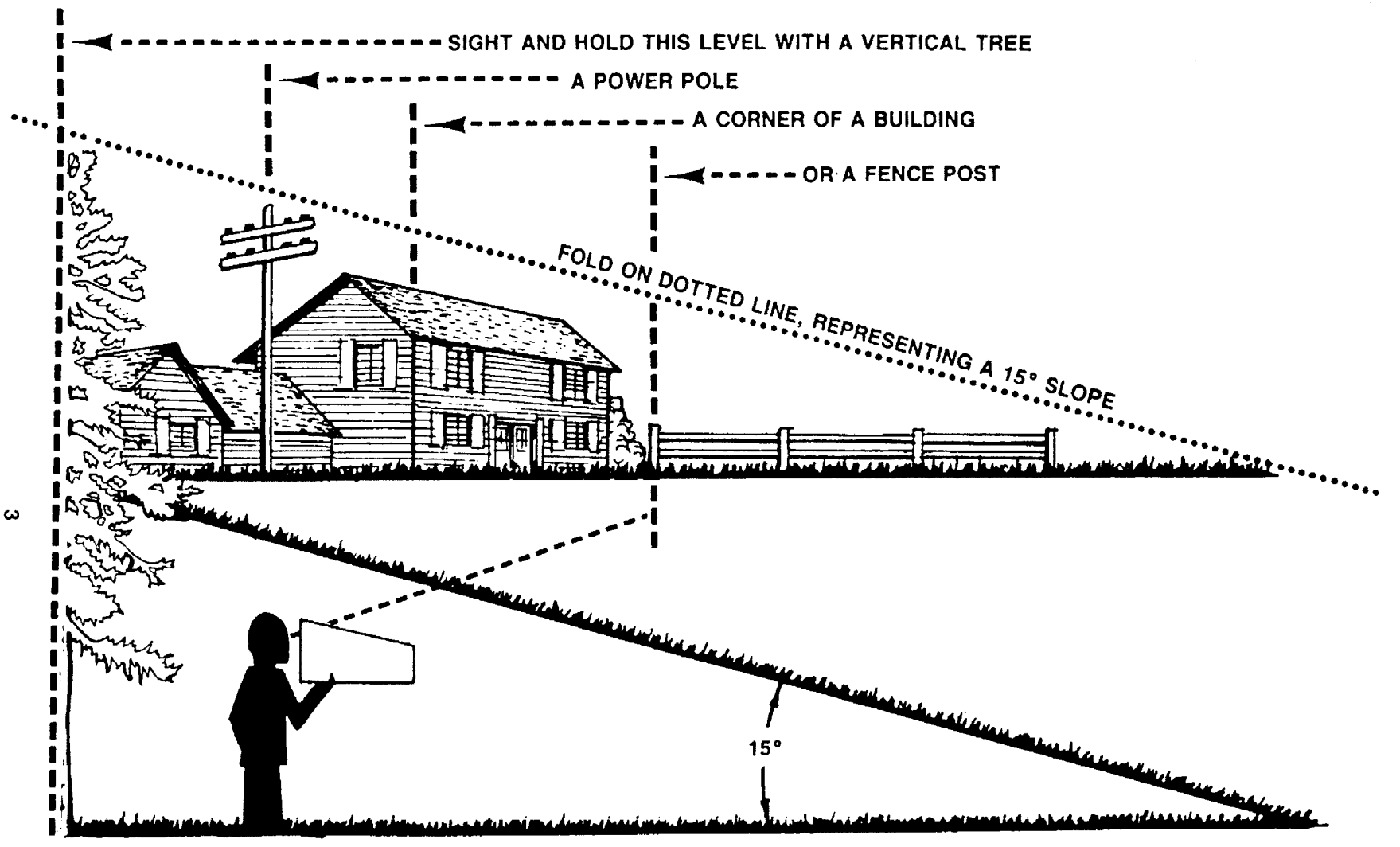
In the State of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester for the muffler is available through your nearest engine authorized service center or contact the parts sales center of Montgomery Ward.

Cut Along This Line

SLOPE GAUGE

(Keep this sheet in a safe place for future reference.)

USE THIS SHEET AS A GUIDE TO DETERMINE SLOPES WHERE YOU MAY NOT OPERATE SAFELY.



WARNING

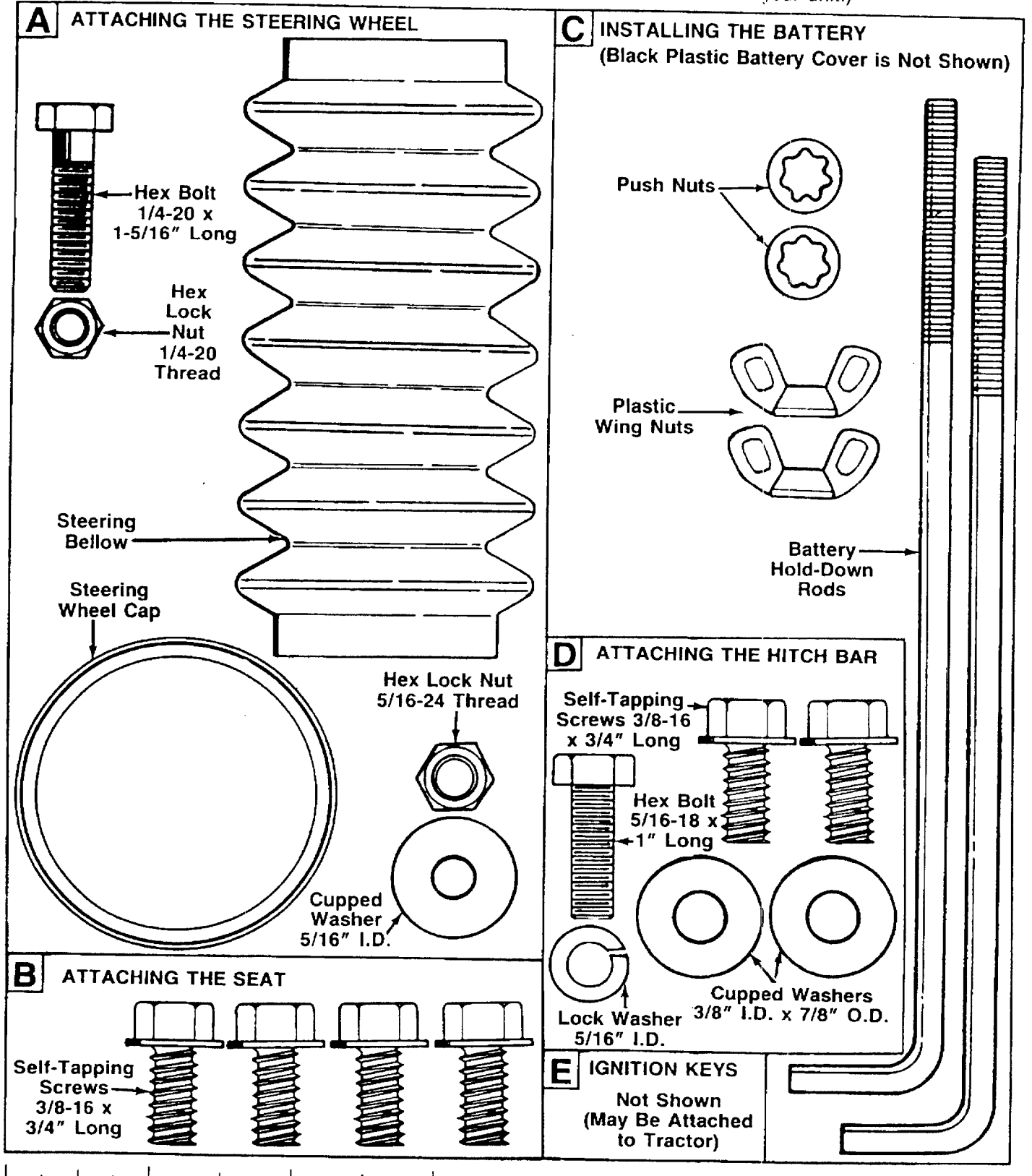
Do not mow on inclines with a slope in excess of 15 degrees (a rise of approximately 2½ feet every 10 feet). A riding mower could overturn and cause serious injury. If operating a walk-behind mower on such a slope, it is extremely difficult to maintain your footing and you could slip, resulting in serious injury.

Operate RIDING mowers up and down slopes, never across the face of slopes.
Operate WALK-BEHIND mowers across the face of slopes, never up and down slopes.

CONTENTS OF HARDWARE PACK

Remove this sheet from your owner's manual and lay the hardware on the illustration for identification purposes. After assembly, keep the Slope Gauge which is on the reverse side of this sheet for future use.

(Hardware pack may contain extra items which are not used on your unit.)



Cut Along This Line

0 1 2 3
INCHES

IMPORTANT

RULES FOR SAFE OPERATION

THIS SYMBOL POINTS OUT IMPORTANT SAFETY INSTRUCTIONS WHICH, IF NOT FOLLOWED, COULD ENDANGER THE PERSONAL SAFETY AND/OR PROPERTY OF YOURSELF AND OTHERS. READ AND FOLLOW ALL INSTRUCTIONS IN THIS MANUAL BEFORE ATTEMPTING TO OPERATE YOUR UNIT. FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY. WHEN YOU SEE THIS SYMBOL— **HEED ITS WARNING.**

DANGER

Your unit was built to be operated according to the rules for safe operation in this manual. As with any type of power equipment, carelessness or error on the part of the operator can result in serious injury. If you violate any of these rules, you may cause serious injury to yourself or others.

1. READ THIS OWNER'S MANUAL carefully in its entirety before attempting to assemble or operate this unit. Keep this manual in a safe place for future and regular reference and for ordering replacement parts.
2. This unit is a precision piece of power equipment, not a plaything. Therefore exercise extreme caution at all times.
3. Know the controls and how to stop the machine quickly.
4. Do not allow children to operate vehicle. Do not allow adults to operate it without proper instruction. Only persons well acquainted with these rules of safe operation should be allowed to use your mower.
5. Wear sturdy, rough-soled work shoes and close-fitting slacks and shirts to avoid entanglement in the moving parts. Never operate a unit in bare feet, sandals, or sneakers.
6. To prevent injury, do not carry passengers or give rides. Keep children, pets and bystanders out of the area while mowing. Only the operator should ride on the unit and only ride in the seat.
7. Check overhead clearance carefully before driving under power lines, guy wires, bridges or low hanging tree branches, before entering or leaving buildings, or in any other situation where the operator may be struck or pulled from the unit, which could result in serious injury.
8. To maintain control of the unit and reduce the possibility of upset or collision, operate the tractor smoothly. Avoid erratic operation and excessive speed.
9. Keep the area of operation clear of all persons, particularly small children and pets. Stop engine when they are in the vicinity of your mower. Although the area of operation should be completely cleared of foreign objects, a small object may have been overlooked and could be accidently thrown by the mower in any direction and cause injury to you or a bystander.
10. Always wear safety glasses or eye shields during operation or while performing an adjustment or repair, to protect eyes from foreign objects that may be thrown from the machine in any direction.
11. Stop the blade(s) when crossing gravel drives, walks or roads.
12. Disengage all attachment clutches and shift into neutral before attempting to start engine.
13. Before leaving the operator's position, disengage blade(s), place shift lever in neutral, engage parking brake, shut engine off and remove key.
14. Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times as the rotating blade(s) can cause injury.
15. Disengage power to attachment(s) and stop engine before making any repairs or adjustments. Disconnect the spark plug wire and keep the wire away from the plug to prevent accidental starting.
16. Before attempting to unclog the mower or discharge chute, stop the engine. The mower blade(s) may continue to rotate for a few seconds after the engine is shut off. Therefore, be sure the blade(s) have stopped completely. Disconnect the spark plug wire and keep the wire away from the plug to prevent accidental starting.
17. Disengage power to attachment(s) when transporting or not in use.
18. For your safety, use the slope gauge included as part of this manual to measure slopes before operating this unit on a sloped or hilly area. If the slope is greater than 15° as shown on the slope gauge, do not operate this unit on that area or serious injury could result.
19. Do not stop or start suddenly when going uphill or downhill. Mow up and down face of steep slopes; never across the face. Use extreme caution if it is necessary to drive the tractor up an incline or back the tractor down an incline because the front of the tractor could lift and rapidly flip over backward which could cause serious injury.
20. Reduce speed on slopes and in sharp turns to prevent tipping or loss of control. Always keep the tractor in low gear when going down steep hills to take advantage of engine braking action. Choose a low enough gear so that you will not have to stop or shift while on the slope.
21. Stay alert for holes in terrain and other hidden hazards which may cause the unit to tip over.
22. Use care when pulling loads or using heavy equipment.
    A. Use only approved drawbar hitch points.
    B. Limit loads to those you can safely control.
    C. Do not turn sharply. Use care when backing.
    D. Use counterweight(s) or wheel weights when suggested in owner's manual.
23. Watch out for traffic when crossing or near roadways.
24. When using any attachments, never direct discharge of material toward bystanders nor allow anyone near vehicle while in operation.
25. Handle gasoline with care. It is highly flammable.
    A. Use approved gasoline container.
    B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors. Wipe up spilled gasoline. Always use original type vented cap
    C. Open doors if engine is run in garage. Exhaust fumes are dangerous. Do not run engine indoors.
26. Never store the machine with fuel in the fuel tank inside a building where ignition sources are present, such as hot water and space heaters, clothes dryers, and the like. Allow the engine to cool before storing in any enclosure.
27. To reduce fire hazard, keep engine and cutting deck free of grass, leaves or excessive grease.
28. Keep the vehicle and attachments in good operating condition, and keep safety devices in place. Use guards as instructed in operator's manual.
29. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
30. The vehicle and attachments should be stopped and inspected for damage after striking a foreign object. The damage should be repaired before restarting and operating the equipment.
31. Do not change the engine governor settings or overspeed the engine.

Rules for Safe Operation (continued)

32. When using the vehicle with mower, proceed as follows:
    (1) Mow only in daylight or in good artificial light.
    (2) Never make a cutting height adjustment while engine is running if operator must dismount to do so.
    (3) Shut the engine off and wait until the blade comes to a complete stop before removing the grass catcher.
    (4) Check blade mounting bolts for proper tightness at frequent intervals.
33. Check grass catcher bags frequently for wear or deterioration. For safety protection, replace only with new bag meeting original equipment specifications.
34. Look behind to make sure the area is clear before placing the transmission in reverse and continue looking behind while backing up. Disengage blades before shifting into reverse and backing up.
35. This unit should not be driven up a ramp onto a trailer or truck under power, because the unit could tip over, causing serious personal injury. The unit must be pushed manually to load properly.
36. Check brake operation frequently. Adjust and service according to brake adjustment instructions in this manual.

ASSEMBLY

IMPORTANT: This unit is shipped WITHOUT GASOLINE or OIL; however, a small amount of oil may be present from the factory. Do not overfill. After assembly, service engine with gasoline and oil as instructed in the separate engine manual packed with your unit.

NOTE: Reference to right or left hand side of the unit is observed from the driver's seat, facing forward.

OPTIONAL REAR BAGGING KIT:

Two mounting brackets and hardware are included in a separate bag for use with the optional rear bagging kit, stock number 89-35111R. Keep these parts in a safe place for future use.

UNPACKING

1. Remove the lawn tractor from the carton as follows. Open the top flaps. Remove all loose parts and carton inserts. Cut the front corners of the carton. Make certain brake is released, and push the unit out of the carton.
2. Remove page four from this manual and lay the contents of the hardware pack on the illustration for identification.

BATTERY INFORMATION

WARNING

A. Battery acid must be handled with great care as contact with it can burn and blister the skin. It is also advisable to wear protective clothing (goggles, rubber gloves and apron) when working with it.*

B. Should battery acid accidentally splatter into the eyes or onto the face, rinse the affected area immediately with clean cold water. If there is any further discomfort, seek prompt medical attention.

C. If acid spills on clothing, first dilute it with clean water, then neutralize with a solution of ammonia/water or baking soda/water.

D. Since battery acid is corrosive, do not pour it into any sink or drain. Before discarding empty electrolyte containers, rinse them with a neutralizing solution.

E. NEVER connect or disconnect charger clips to battery while charger is turned on as it can cause sparks.

F. Keep all lighted materials (cigarettes, matches, lighters) away from the battery as the hydrogen gas generated during charging can be combustible.

G. As a further precaution, only charge the battery in a well-ventilated area.

***Always shield eyes, protect skin and clothing when working near batteries.**

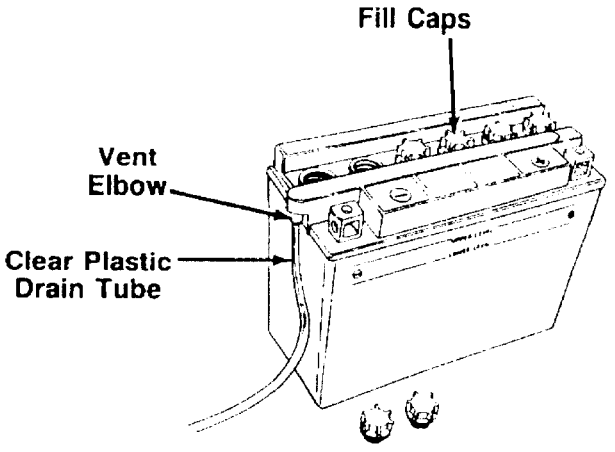


FIGURE 1.

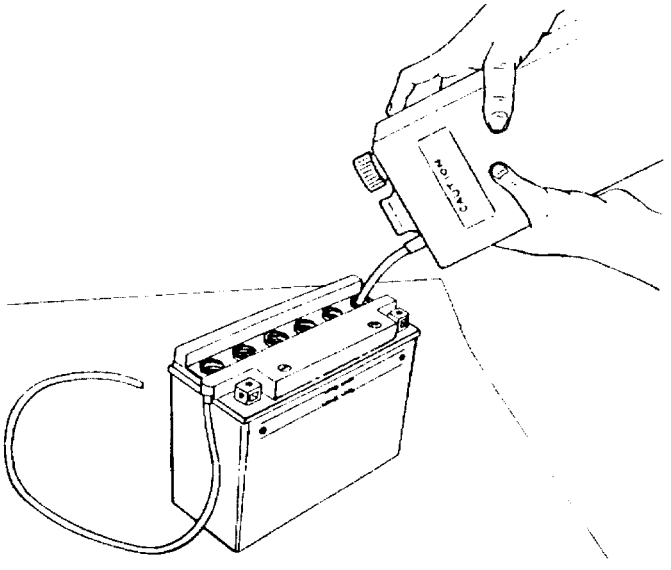


FIGURE 2.

DANGER

Battery contains sulfuric acid. Refer to warning on page 6. Antidote: EXTERNAL—Flush with water. INTERNAL—Drink large quantities of water or milk. Follow with milk of magnesia, beaten eggs or vegetable oil. Call physician immediately. EYES: Flush with cool water for at least 15 minutes, then get prompt medical attention.

Since batteries produce explosive gases, keep all lighted materials (cigarettes, lighters, matches, etc.) away. Be sure to charge battery only in well-ventilated areas. Make certain venting path of battery (drain tube) is always open.

KEEP BATTERIES
OUT OF THE REACH OF CHILDREN!

ACTIVATING THE BATTERY

Do not activate battery (fill with battery acid) until battery is actually placed in service. Be certain to read previous warnings before activating the battery.

1. Open the battery pack. Be careful not to puncture the box. It contains the battery with a long plastic tube attached, battery fluid (acid) in a plastic container, one short plastic tube and one hardware pack (two hex bolts and nuts).
2. Place the battery on a table or workbench. Make certain the long plastic drain tube is in place on the vent elbow.
3. Remove the six fill caps from the top of the battery. See figure 1.
4. Place the battery fluid container on the table or workbench. Carefully cut off tip of the spout and attach the short plastic tube provided. Do not squeeze the container when cutting tip.
5. Fill each battery cell slowly and carefully to the UPPER LEVEL line marked on battery. See figure 2. Use caution as the acid level will rise rapidly after the bottom of the cell is filled.
6. Allow battery to stand for 30 minutes with the fill caps removed, while the plates absorb acid.
7. If acid level has fallen after the 30 minute standing period, refill each cell with battery acid to the UPPER LEVEL line on battery. Replace the fill caps.
8. Before discarding the empty container, neutralize any residue with baking soda and rinse container with water. Puncture container several times before discarding.
9. Charge the battery after the 30 minute standing period. SLOW CHARGE THE BATTERY (DO NOT FAST CHARGE) at a maximum bench rate of 2 amperes until the specific gravity reading is 1.265. Charge for a minimum of 3 hours and a maximum of 5 hours.

NOTE: This engine is equipped with an alternator. The current for the battery charger alternator is unregulated. During normal operation, it is only necessary to charge the battery:

1. When it is activated for the first time.
2. Before winter storage.
3. Before using the lawn tractor after winter storage.

NOTE: After battery has been charged, add only distilled water. Do not add acid.

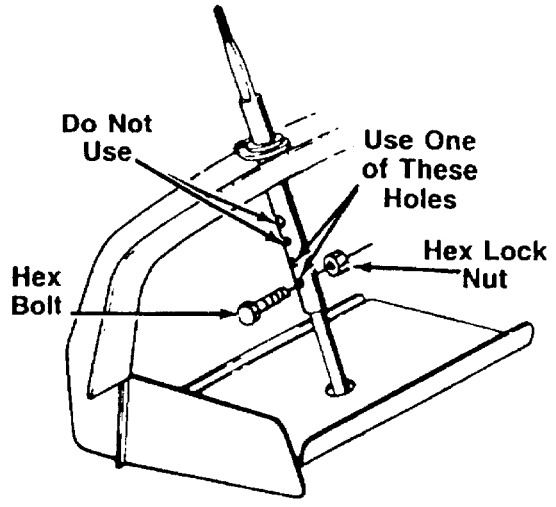


FIGURE 3.

ATTACHING THE STEERING WHEEL (Hardware A)

1. Open the hood of the lawn tractor by lifting up on both sides of the hood.
2. For shipping purposes, the upper steering shaft is pushed all the way down over the lower steering shaft. Pull the upper steering shaft up. The holes in the shaft provide steering wheel height adjustment. When securing the two halves of the steering shaft, select one of the two lower holes in the upper shaft as shown. **Do not** use the two upper holes. Secure with hex bolt and hex lock nut. See figure 3.

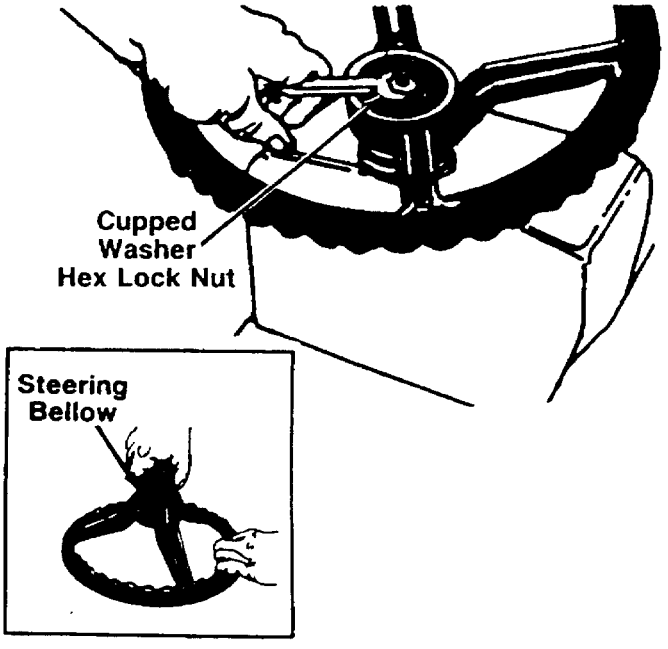


FIGURE 4.

3. Attach one end of steering bellow to the steering wheel as shown in figure 4, inset.
4. Position the front wheels of the tractor so they are pointing straight forward.
5. Place the steering wheel and steering bellow over the steering shaft, positioning steering wheel as desired.
6. Place the washer with the cupped side down over the steering shaft. Secure with 5/16" hex lock nut. See figure 4.
7. Place the steering wheel cap over the center of the steering wheel and seat it with your hand.

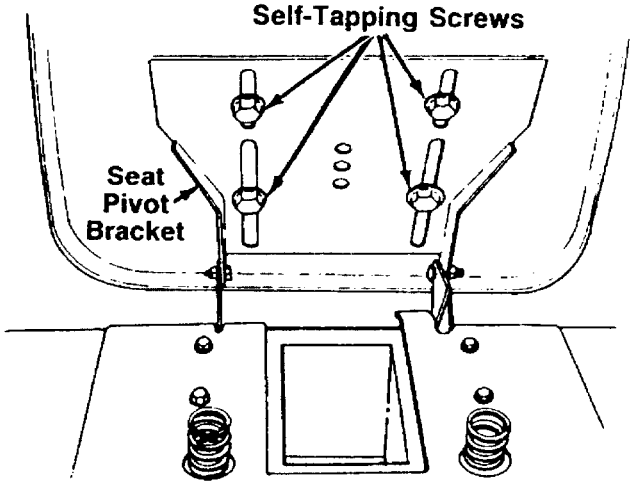


FIGURE 5.

ATTACHING THE SEAT (Hardware B)

Place the seat in position against the seat pivot bracket, lining up the slotted holes in the pivot bracket with the holes in the seat. Select desired position for the seat, and secure with self-tapping screws. See figure 5.

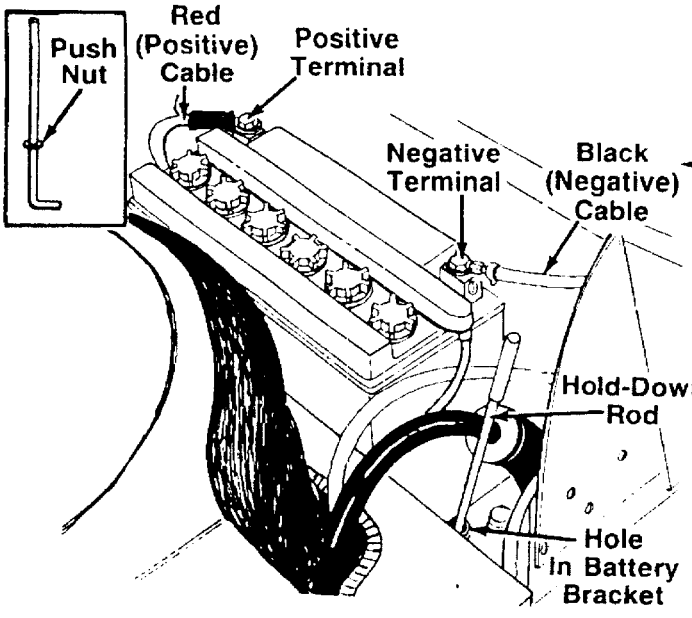


FIGURE 6.

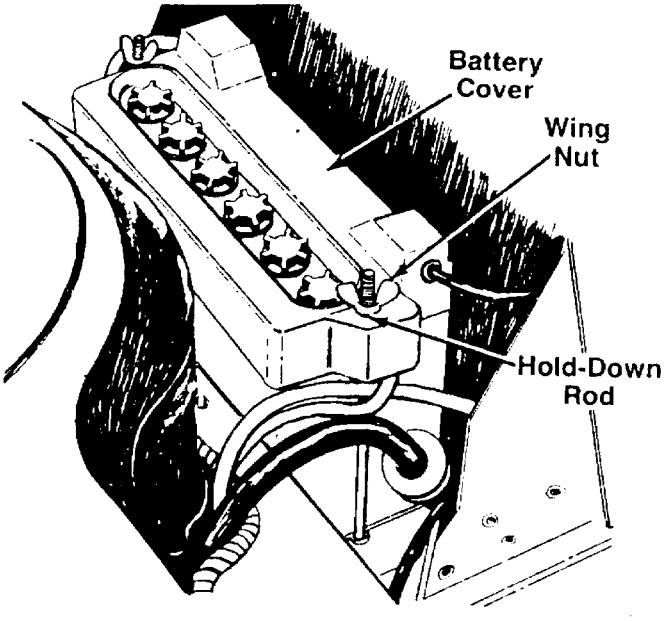


FIGURE 7.

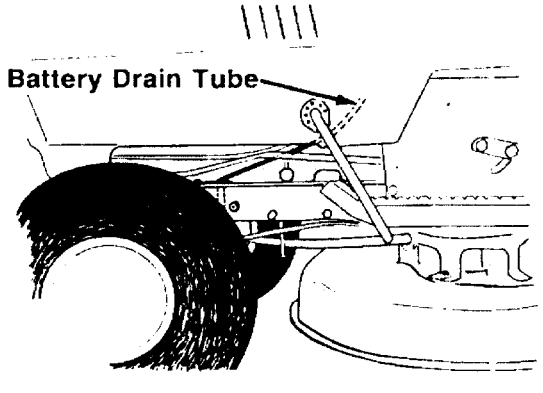


FIGURE 8.

INSTALLING THE BATTERY (Hardware C)

1. Open the hood of the lawn tractor by lifting up on both sides of the hood.
2. Attach one push nut to each battery hold-down rod. See figure 6, inset. Hook one hold-down rod into the holes in the battery plate which will be on each end of the battery. Slide the push nut down the rod, against the battery plate.
3. Place the battery in the lawn tractor so that the positive terminal is facing the right side of the unit. See figure 6.

NOTE: *Right and left hand sides of the unit are determined from the operating position, facing forward.*

4. Slide the hex nut (provided with battery hardware) into the positive (+) terminal. Place the positive cable on the positive terminal. Secure with bolt provided. See figure 6.
5. Slide the hex nut (provided with battery hardware) into the negative (–) terminal. Place the negative cable on the negative terminal. Secure with bolt provided.
6. Place the black plastic battery cover in position over the hold-down rods. Secure with wing nuts. See figure 7.
7. Route the battery drain tube down beside the engine, then forward to the hole in the frame shown in figure 8. Insert end of drain tube through the hole in the frame.

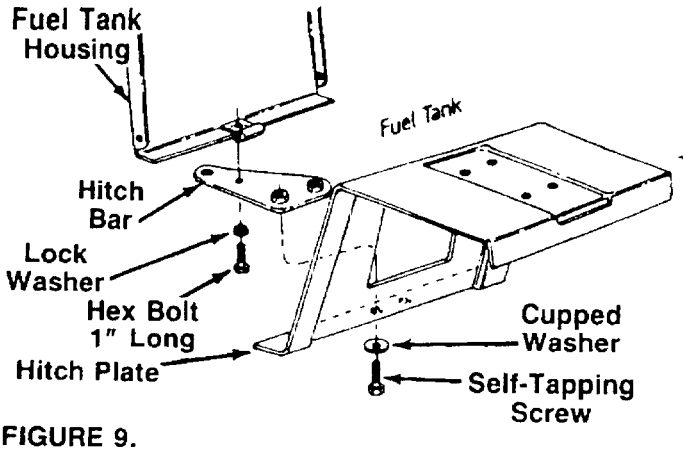


FIGURE 9.

ATTACHING THE HITCH BAR (Hardware D)

1. Place the hitch bar (weld nuts up) above the edge of the hitch plate on the tractor. See figure 9. Secure with two 3/4" long self-tapping screws and cupped washers (cupped side of washers go against the hitch plate).
2. Attach the hitch bar to the speed nut on the edge of the fuel tank housing using hex bolt 1" long and lock washer.

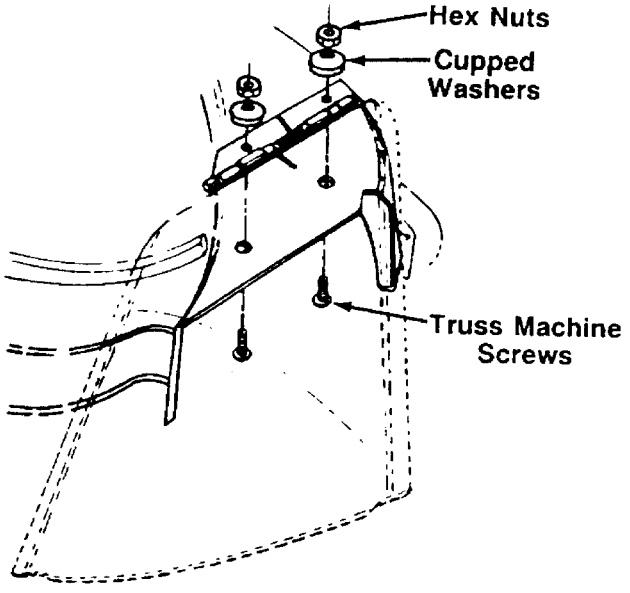


FIGURE 10.

ATTACHING THE CHUTE DEFLECTOR

WARNING: Do not operate your unit unless the chute deflector has been properly installed.

1. Remove the truss machine screws, cupped washers and hex jam nuts which are attached to the deck next to the chute opening.
2. Place the chute deflector in position as shown in figure 10. Secure with hardware just removed.

CONTROLS

THROTTLE CONTROL

The throttle control is used to regulate the engine speed. To get maximum efficiency from cutting, the throttle should be in the FAST position when operating the mower. See figure 11.

CHOKE CONTROL

The choke control is located on the dashboard and is operated manually. Details for the choke operation are covered in the separate engine manual packed with your unit. See figure 11.

SHIFT LEVER

The shift lever is located in the center of the console and has three positions, FORWARD, NEUTRAL and REVERSE. See figure 11. The clutch-brake pedal must be depressed and the lawn tractor must not be moving when shifting gears. Do not force the shift lever. Release the clutch-brake pedal slightly to line up the shifting collar in the transmission. Then try to shift gears.

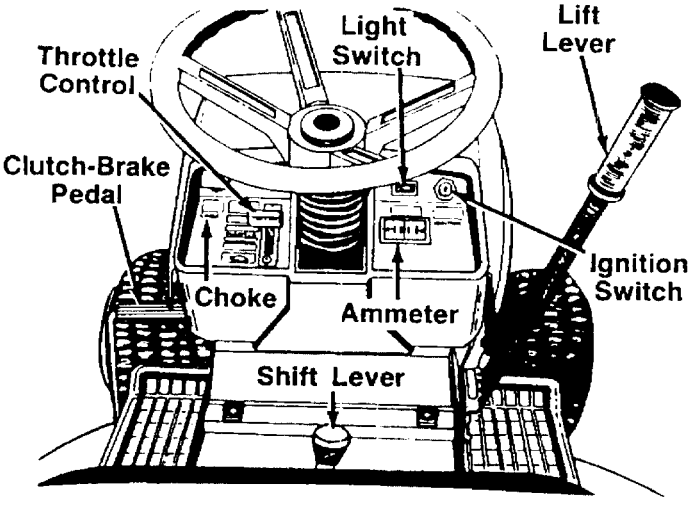


FIGURE 11.—Model TMO-33942A Shown

SPEED CONTROL LEVER

The speed control lever is located on the right fender. It allows you to regulate the ground speed of the lawn tractor. See figure 12. To select the ground speed, depress clutch pedal. Push speed control lever outward and move backward to slow lawn tractor, move forward to increase speed. When desired speed has been obtained, release lever in that position. Whenever clutch is engaged, unit will automatically go to the pre-set speed.

IGNITION SWITCH

Turn the key to the START position to start the engine. When the engine is running, let the key return to the ON position. To stop the engine, turn the key to the left to the OFF position and remove it to prevent accidental starting. See figure 11.

LIGHT SWITCH

Push the light switch to turn on the lights. The lights will only operate when the engine is running. See figure 11.

AMMETER

The ammeter registers the rate of battery charge or discharge. The ammeter will register on the discharging side when starting the engine. It should register on the opposite side (charging) when the engine is running in the fast position until the battery is completely charged. With a fully charged battery or with the engine idling, the ammeter will not show a charge. See figure 11.

CLUTCH-BRAKE PEDAL

The clutch-brake pedal is located on the left side of the lawn tractor. Depressing the clutch-brake pedal part way disengages the clutch. Pressing the pedal all the way down disengages the clutch and engages the disc brake. See figure 11.

NOTE: *The clutch-brake pedal must be depressed to start the engine.*

PARKING BRAKE

The speed control lever is used to set the parking brake. To set the parking brake, depress the clutch-brake pedal. Press the speed control lever outward and all the way to the rear of the unit. Release the speed control lever and the clutch-brake pedal.

To release the parking brake, depress the clutch-brake pedal, press the speed control lever outward and move to desired position. Release the speed control lever and the clutch-brake pedal.

NOTE: *The parking brake must be set if the operator leaves the seat with the engine running.*

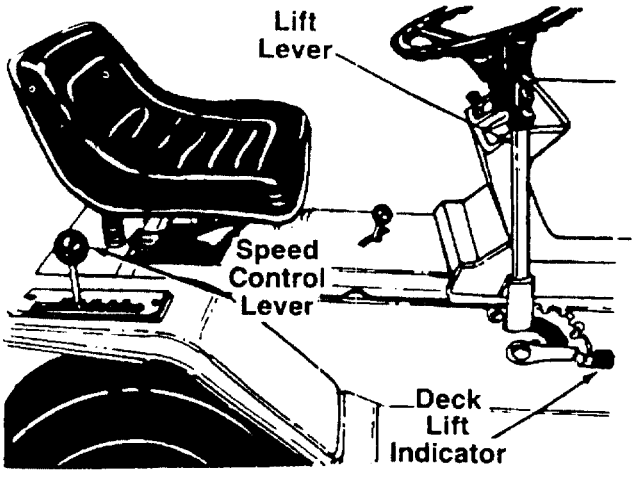


FIGURE 12.

INTERLOCKS (Not Shown)

Interlock safety switches are located by the clutch-brake pedal, lift lever, the shift lever and under the seat.

Before the engine will start, the clutch-brake pedal must be depressed all the way and the lift lever must be in the disengaged position.

Before the unit can be shifted into reverse or if the operator leaves the seat, lift lever must be in the disengaged position.

CUTTING CONTROLS

A. LIFT LEVER

The lift lever is used to raise and lower the cutting deck and to engage and disengage the cutting blades. Pulling it all the way back and locking it disengages the blades. The lift lever must be in the disengaged position when starting the engine, when shifting into reverse or if the operator leaves the seat.

B. DECK LIFT INDICATOR

The deck lift indicator marks the position being used for the lift lever. Select the lift lever position desired, press the indicator lever outward, move it to the position immediately below the lift lever and release the indicator lever. See figure 12.

C. SETTING THE CUTTING HEIGHT

1. Select the position for the lift lever which gives the desired cutting height. Move the deck lift indicator so that the lift lever can be returned to the same position after it is raised.
2. Move the deck wheels to the hole location so the wheels are ¼ to ½ inch above the ground.

OPERATION

CAUTION

- READ OPERATOR'S MANUAL(S) • NEVER CARRY CHILDREN
- KNOW LOCATION AND FUNCTION OF ALL CONTROLS
- KEEP SAFETY DEVICES (GUARDS, SHIELDS AND SWITCHES) IN PLACE AND WORKING
- REMOVE OBJECTS THAT COULD BE THROWN BY BLADE(S)
- DO NOT OPERATE THE UNIT WHEN CHILDREN AND OTHERS ARE AROUND
- ALWAYS LOOK BEHIND THE UNIT BEFORE BACKING UP
- DO NOT OPERATE THE UNIT WHERE IT COULD SLIP OR TIP
- IF THE UNIT STOPS GOING UPHILL, STOP BLADE(S) AND BACK SLOWLY DOWNHILL
- BE SURE BLADE(S) AND ENGINE ARE STOPPED BEFORE PLACING HANDS OR FEET NEAR BLADE(S)
- BEFORE LEAVING OPERATOR'S POSITION, DISENGAGE THE BLADE(S), PLACE THE SHIFT LEVER IN NEUTRAL, ENGAGE THE PARKING BRAKE, SHUT ENGINE OFF AND REMOVE THE KEY.

TIRE PRESSURE

The tires on your unit may be over-inflated for shipping purposes. Reduce the tire pressure before operating the unit. Recommended operating tire pressure is approximately 12 p.s.i. (check sidewall of tire for tire manufacturer's recommended pressure).

WARNING: Maximum tire pressure under any circumstances is 30 p.s.i. Equal tire pressure should be maintained on all tires.

STARTING THE ENGINE

NOTE: *To open the hood, simply lift up on both sides of the hood.*

1. Service the engine with oil and gasoline as described in the engine manual.
2. Depress the clutch-brake pedal and set the parking brake.
3. Place the lift lever in the DISENGAGED position. See figure 11.

IMPORTANT: This unit is equipped with a **safety interlock system** for your protection. The purpose of the safety interlock system is to prevent the engine from cranking or starting unless the clutch-brake pedal is depressed and the lift lever is in the disengaged position. In addition, the lift lever must be in the disengaged position when the unit is put into reverse or the engine will shut off. If the operator leaves the seat with the lift lever engaged and/or without setting the parking brake, the engine will shut off.

WARNING: Do not operate the lawn tractor if the interlock system is malfunctioning because it is a safety device, designed for protection.

4. Set the throttle control in the FAST position. See figure 11.
5. Pull out choke knob to choke engine (a warm engine may not require choking).
6. Turn the ignition key to the START position. When the engine is running, let the key return to the ON position. See figure 11.
7. Push choke knob in gradually. Move the throttle control to desired engine speed.

STOPPING THE ENGINE

Turn the ignition key to the left to the OFF position. Remove the key to prevent accidental starting.

IMPORTANT: If you strike a foreign object, stop the engine. Remove wire from spark plug, thoroughly inspect the unit for any damage, and repair the damage before restarting and operating the mower.

NOTE: *If any problems are encountered, refer to the Trouble Shooting Chart on page 21.*

OPERATING THE LAWN TRACTOR

1. Set the desired cutting height.
2. Start the engine as instructed on this page.
3. Move throttle control to ¾ or full throttle to prevent strain on the engine and to operate the cutting blades.
4. Place the shift lever in either the FORWARD or REVERSE position.

WARNING: Look to the rear before backing up.

5. Release the parking brake by depressing the clutch-brake pedal, pressing outward on the speed control lever and moving to desired position. Use first speed position when operating the lawn tractor for the first time.
6. Release clutch-brake pedal slowly to put unit into motion.
7. The lawn tractor is brought to a stop by depressing the clutch-brake pedal.

NOTE: *When operating the unit initially, there will be little difference between the highest two speeds until after the belts have seated themselves into the pulleys during the break-in period.*

Be sure that the lawn is clear of stones, sticks, wire, or other objects which could damage lawn mower or engine. For best results and to insure more even grass distribution, do not mow when lawn is excessively wet.

WARNING: Before leaving the operator's position for any reason, disengage the blades, place the shift lever in neutral, engage the parking brake, shut engine off and remove the key.

When stopping the unit to empty a grass bag, etc., follow the instructions above. This procedure will also eliminate "browning" the grass, which is caused by hot exhaust gases from a running engine.

If unit stalls with speed control in high speed, or if unit will not operate with speed control lever in a low speed position, proceed as follows.

1. Place shift lever in NEUTRAL.
2. Restart engine.
3. Place speed control lever in high speed position.
4. Release clutch-brake pedal fully.
5. Depress clutch-brake pedal.
6. Place speed control lever in desired position.
7. Place shift lever in either FORWARD or REVERSE, and follow normal operating procedures.

OPERATING THE CUTTING BLADES

The cutting blades may be engaged while the lawn tractor is moving or standing still. DO NOT engage the cutting blades abruptly as the sudden belt tension on the pulley may cause the engine to stall.

WARNING: Keep feet and hands away from the discharge opening, the blades or any part of the deck. When the unit is used for other than mowing operations, the blade drive should be disengaged.

Move the lift lever into the DISENGAGED position to raise the deck and disengage the blades.

GRASS COLLECTOR Stock Number 89-35111R is available as optional equipment.

WARNING: The mower should not be operated without the entire grass catcher or chute deflector in place.

NOTE: *Under normal usage bag material is subject to wear, and should be checked periodically. Be sure any replacement bag complies with the mower manufacturer's recommendations.*

For replacement bags, use only factory authorized replacement bag.

ADJUSTMENTS

SEAT ADJUSTMENT

The seat may be adjusted to different positions. Refer to "Attaching the Seat" in assembly instructions.

STEERING WHEEL ADJUSTMENT

There are two height positions for the steering wheel. To adjust the height of the steering wheel, remove the hex bolt and hex lock nut on the steering shaft. Place the steering wheel in the position desired and secure with hex bolt and hex lock nut. Refer to figure 5.

NOTE: *When raising the height of the steering wheel, stretch the steering bellow to cover the steering shaft.*

DECK LEVELING ADJUSTMENT

If an uneven cut is obtained, the deck may be leveled as follows.

With unit on hard, level surface, measure the distance from the bottom edge of the center of the left side of deck to the ground. Measure the same distance on the center of the right side of the deck, just behind the chute area. Or, place the blades in a straight line, and measure the distance from the outside edge of the blade tips to the ground.

Adjust the lift link on the left side of the deck as necessary. See figure 13. Recheck the adjustment.

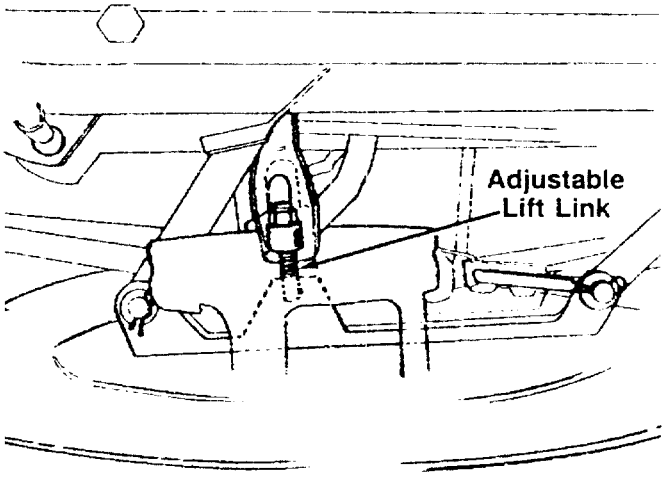


FIGURE 13.

SPEED CONTROL ADJUSTMENT (See figure 14)

NOTE: *When operating the unit initially or after replacing the belts, there will be little difference between the highest two speeds until after the belts have gone through a break-in period and have seated themselves into the pulleys.*

First, adjust the speed control lever by pushing the clutch-brake pedal forward until the stop on the brake rod is against the frame. See figure 14. Have another person hold the pedal in this position as you make the following adjustment. Place the speed control lever in parking brake position. Remove the hairpin clip and flat washer, and adjust the ferrule on the rod so it is against the back end of the slot. See figure 14. Replace the flat washer and hairpin clip.

Next, adjust the speed control link as follows to obtain the correct neutral adjustment.

1. Start the engine.
2. Place the shift lever in Neutral position.
3. Place the speed control lever in high speed position.
4. Release the clutch-brake pedal completely, then slowly depress the pedal all the way (to park position). Hold the pedal in this position.
5. Turn the engine off.
6. After engine stops completely, release the clutch-brake pedal.
7. Place speed control lever in second position.
8. Remove the cotter pin and flat washer which secures the speed control link to the variable speed torque bracket assembly.
9. Push the clutch-brake pedal backward by hand as far as it will go using light pressure. Hold it in this position as you thread the speed control link in or out of the ferrule until it lines up with the pin on the variable speed torque bracket assembly.
10. Secure speed control link to variable speed torque bracket assembly with flat washer and cotter pin.

NEUTRAL ADJUSTMENT

1. Place the transmission in neutral. (The unit will move freely when pushed forward and backward with the parking brake released.)
2. Loosen the bolt which secures the shift lever assembly to the shift lever link. See figure 15.
3. Place the shift lever in the netural slot. See figure 15.
4. Tighten the bolt to 13 foot pounds.

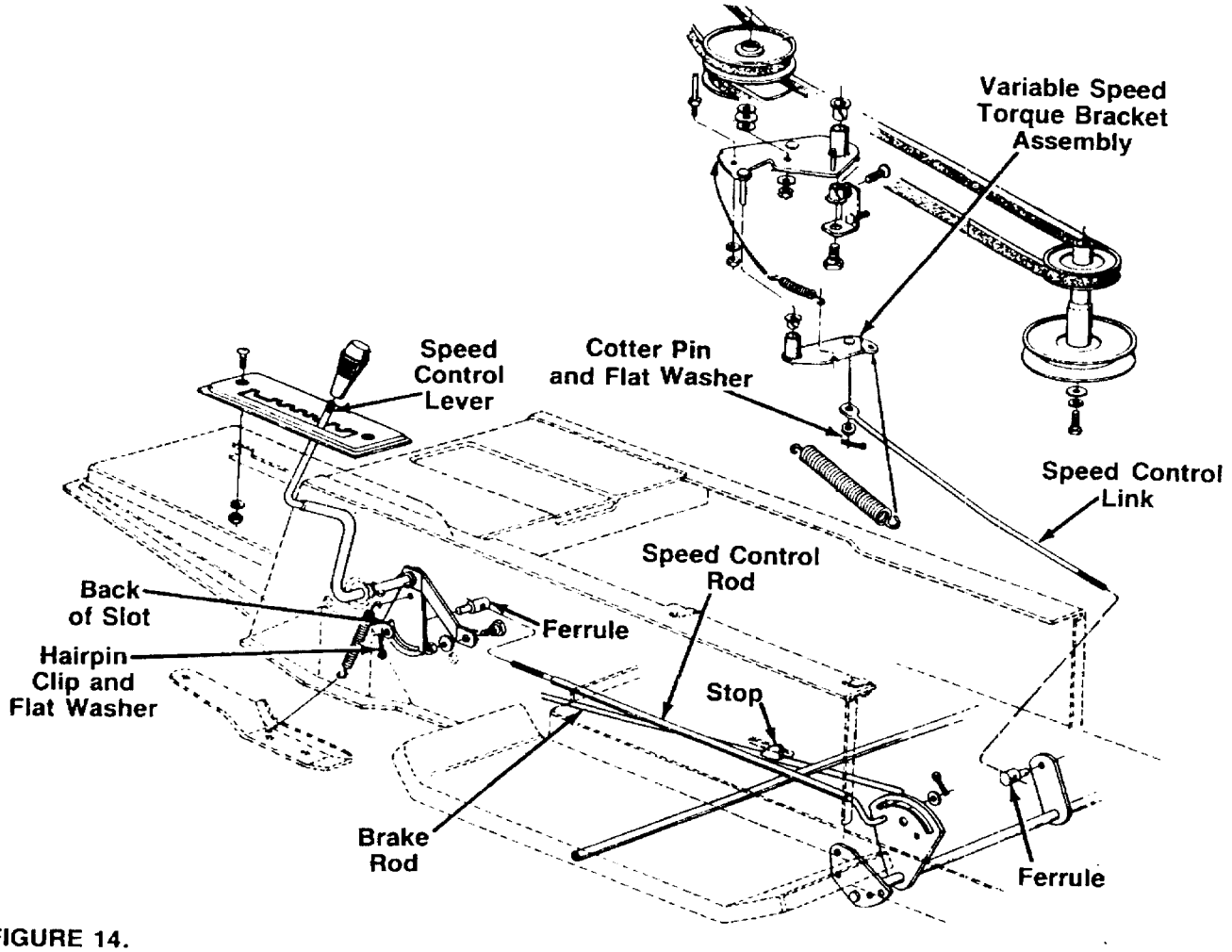


FIGURE 14.

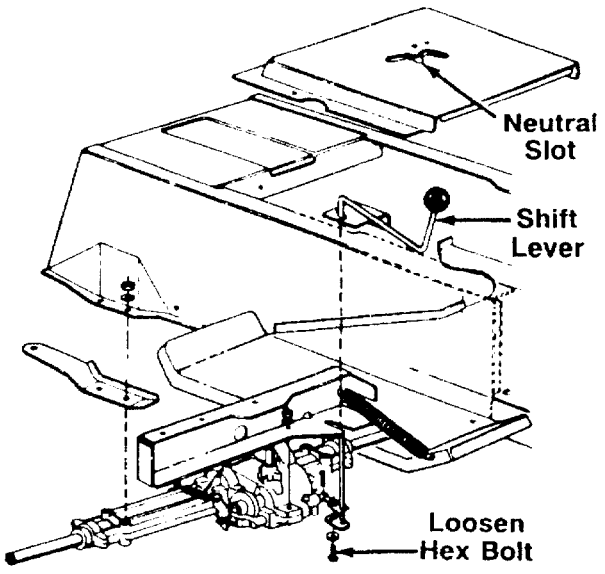


FIGURE 15.

WHEEL ADJUSTMENT

The caster (forward slant of the king pin) and the camber (tilt of the wheels out at the top) require no adjustment. Automotive steering principles have been used to determine the caster and camber on the tractor. The front wheels should toe-in 1/8 inch.

To adjust the toe-in, follow these steps.

1. Remove the hex nut and lock washer, and drop the tie rod end from the wheel bracket. See figure 16.
2. Loosen the hex jam nut on tie rod.
3. Adjust the tie rod assembly for correct toe-in.

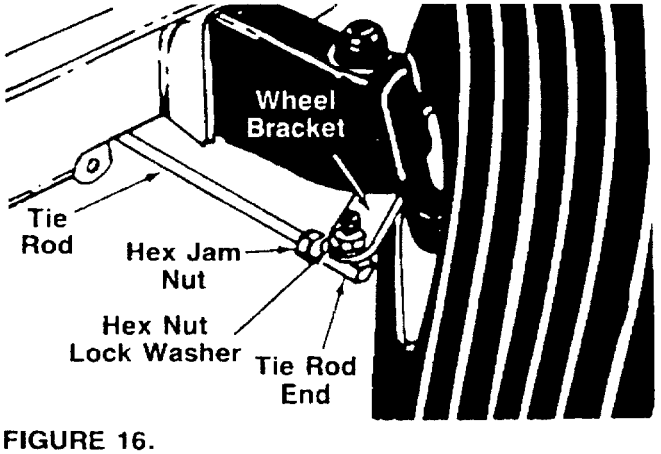


FIGURE 16.

Dimension "B" should be approximately 1/8" less than Dimension "A." See figure 17.

A.) To increase Dimension "B," screw tie rod into tie rod end.

B.) To decrease Dimension "B," unscrew tie rod from tie rod end.

C.) Reassemble tie rod. Check dimensions. Readjust if necessary.

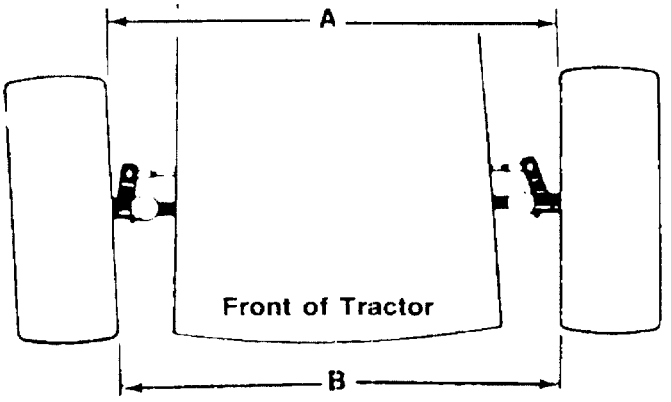


FIGURE 17.

CARBURETOR ADJUSTMENT

WARNING: If any adjustments are made to the engine while the engine is running (e.g. carburetor), disengage all clutches and blades. Keep clear of all moving parts. Be careful of heated surfaces and muffler.

Minor carburetor adjustment may be required to compensate for differences in fuel, temperature, altitude and load. To adjust the carburetor, refer to the separate engine manual packed with your unit.

NOTE: *A dirty air cleaner will cause an engine to run rough. Be certain air cleaner is clean and attached to the carburetor before adjusting carburetor. Refer to the separate engine manual.*

BRAKE ADJUSTMENT (See figure 18)

The brake is located by the right rear wheel inside the frame. During normal operation of this machine, the brake is subject to wear and will require periodic examination and adjustment.

WARNING: Do not have the engine running when you adjust the brake.

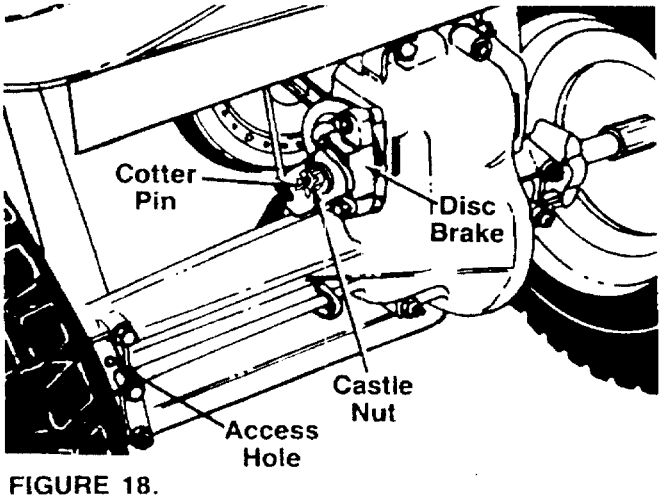


FIGURE 18.

To adjust the brake, remove the cotter pin. Adjust the castle nut so the brake starts to engage when the brake lever is ¼" to 5/16" away from the axle housing.

NOTE: *Figure 18 is shown with the unit tipped up on rear wheels for clarity only.*

LUBRICATION

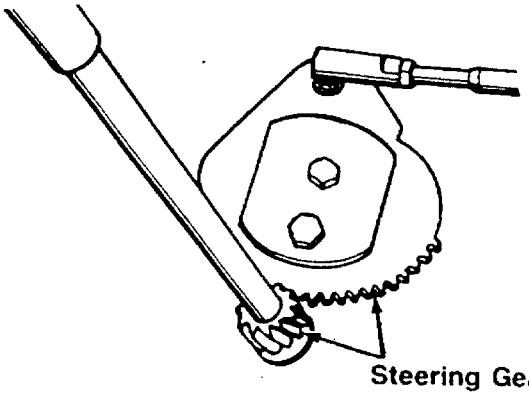
WARNING: Always stop engine and disconnect spark plug wire before cleaning, lubricating or doing any kind of work on lawn tractor.

STEERING GEARS

Lubricate teeth of steering gears with automotive multi-purpose grease after every 25 hours of operation or once a season. See figure 19.

STEERING SHAFT

Lubricate steering shaft at least once a season with light oil.



Steering Gears

FIGURE 19.

VARIABLE SPEED PULLEY

Lubricate needle bearings inside the variable speed pulley with light oil once a season. Also lubricate the bearings inside the pulley putting a small amount of light oil on the shaft. Then start the tractor, and with the shift lever in neutral, move the speed selector forward and backward which will move the center sheave and distribute the oil on the shaft. Be careful not to get oil on the sheaves of the pulleys or on the belts, which could cause the belts to slip.

TRANSAXLE

The transaxle is lubricated at the factory and does not require checking. If disassembled for any reason, lubricate with 10 oz. of Shell grease, part number 737-0148.

The rear axles may be lubricated once a season, using the access hole on each side of the transaxle housing. See figure 18. A push-type hand grease gun, equipped with a special flush coupler is required. Use Shell grease, part number 737-0148.

WHEELS

The front wheels are provided with grease fittings. The rear wheels must be removed from the axle for lubrication. Lubricate both front and rear wheels at least once a season with automotive multi-purpose grease.

PIVOT POINTS

Lubricate all pivot points with light oil at least once a season.

MAINTENANCE

WARNING: Disconnect the spark plug wire and ground against the engine before performing any repairs or maintenance.

TROUBLE SHOOTING

Refer to page 21 of this manual for trouble shooting information.

CRANKCASE OIL

Check the oil level in the crankcase before each use of the machine and after every five hours of operation. Oil level should be maintained as instructed in the separate engine manual.

After the first five hours of operating a new engine, drain the oil from the crankcase while engine is still hot and refill crankcase with new oil; thereafter change the oil every 25 hours of operation. Refer to the engine manual.

AIR CLEANER

Under normal operating conditions, the air cleaner, located on top of the carburetor, must be serviced after every ten hours of use. Under extremely dusty operating conditions, the air cleaner must be serviced after every hour of operation. To service the air cleaner, refer to the separate engine manual packed with your unit.

CLEANING ENGINE AND BLADE HOUSING

Any fuel or oil spilled on the machine should be wiped off promptly. Grass, leaves, and other dirt must not be left to accumulate around the cooling fins of the engine or on any part of the machine.

Clean the underside of the blade housing after each mowing.

SPARK PLUGS

The spark plugs should be cleaned and the gap reset once a season. Spark plug replacement is recommended at the start of each mowing season; check engine manual for correct plug type and gap specification.

CUTTING BLADES

A. Removal for Sharpening or Replacement

WARNING: Be sure to disconnect and ground the spark plug wire and remove ignition key before working on the cutting blade to prevent accidental engine starting. Protect hands by using heavy gloves or a rag to grasp the cutting blades.

1. Remove the large bolt and lock washer which holds the blade and adapter to the blade spindle.
2. Remove the blade and adapter from the spindle.
3. If the blade or blade adapter needs replacing, remove the two small bolts, lock washers and nuts which hold the blade to the adapter.

B. Sharpening

Remove the cutting blades by following the directions of the preceding section.

When sharpening the blades, follow the original angle of grind as a guide. It is **extremely important** that each cutting edge receives an equal amount of grinding to prevent an unbalanced blade. An unbalanced blade will cause excessive vibration when rotating at high speeds, may cause damage to the mower and could break, causing personal injury.

The blade can be tested for balance by balancing it on a round shaft screwdriver. Remove metal from the heavy side until it balances evenly.

NOTE: *It is recommended that the blade always be removed from the adapter for the best test of balance.*

C. Reassembly

Before reassembling the blade and the blade adapter to the unit, lubricate the spindle and the inner surface of the blade adapter with light oil. Lubricating the bolt holes, bolts and inner surface of the nuts with light oil is also recommended. A 4 oz. plastic bottle of light oil lubricant is available. Order part number 737-0170. Engine oil may also be used.

When replacing blades, be sure to install the blade with the side of the blade marked "Bottom" (or with part number) facing the ground when the mower is in the operating position.

Blade Mounting Torque

3/8" Dia. Bolt 375 in. lb. min., 450 in. lb. max.
5/16" Dia. Bolt 150 in. lb. min., 250 in. lb. max.

To insure safe operation of your unit, ALL nuts and bolts must be checked periodically for correct tightness.

FUEL FILTER

Your unit is equipped with a replaceable in-line fuel filter. Replace filter whenever contamination or discoloration is noticed. Order replacement filter through your engine authorized service dealer.

BELT REMOVAL AND REPLACEMENT

WARNING: Disconnect the spark plug wire and ground it against the engine. Block the wheels of the unit.

NOTE: *Figures 20 and 24 through 26 are shown with the unit tipped up for clarity. It is not necessary to tip the unit to remove the belts.*

However, if tipping the unit is desired, remove the battery from the unit. To prevent gasoline leakage, drain the gasoline, or remove the fuel tank cap, place a thin piece of plastic over the neck of the fuel tank and screw on the cap. Be certain to remove the plastic when finished changing the belts. Block unit securely.

DECK BELT

1. Place the lift lever in the disengaged position.
2. Remove the hex bolts (belt keepers) from the engine pulley belt guard. See figure 20.

NOTE: *When reassembling, make certain hex bolts are assembled in the same locations from which they were removed. See figure 20.*

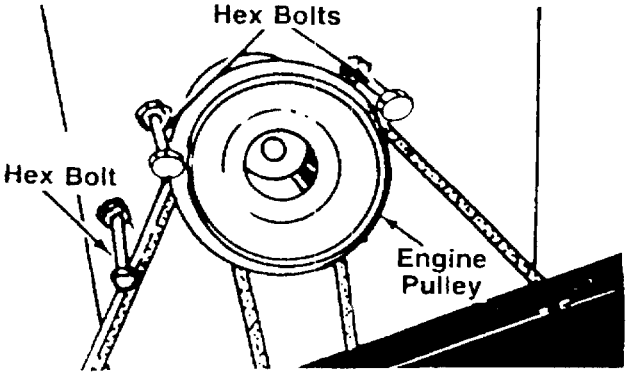


FIGURE 20.

3. Unhook the deck belt from the engine pulley.
4. Place the lift lever in the engaged (all the way forward) position.
5. Disconnect the spring which is attached to a bracket on the transaxle, inside the left rear wheel. Use a spring puller or other suitable tool.
6. Disconnect the six deck links by removing the hairpin clips and flat washers.

7. Disconnect the stabilizer plate from the stabilizer shaft assembly by removing the hairpin clips and flat washers and sliding out the rod.
8. Place the lift lever in the disengaged position.
9. Slide the deck from beneath the lawn tractor.
10. Remove the belt guards at each deck pulley by removing the self-tapping screws. See figure 21.

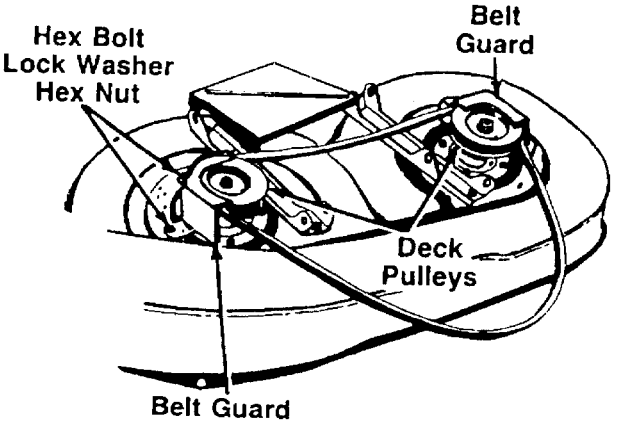


FIGURE 21.

11. Remove and replace the belt, reassemble following the instructions in reverse order.

REAR DRIVE BELT

1. Place shift lever in neutral position. Unscrew the shift knob. Remove the two truss head screws which secure the transmission cover. See figure 22A.
2. Lift the transmission cover. Unplug the safety wire from beneath the transmission cover. See figure 22B. Remove transmission cover.

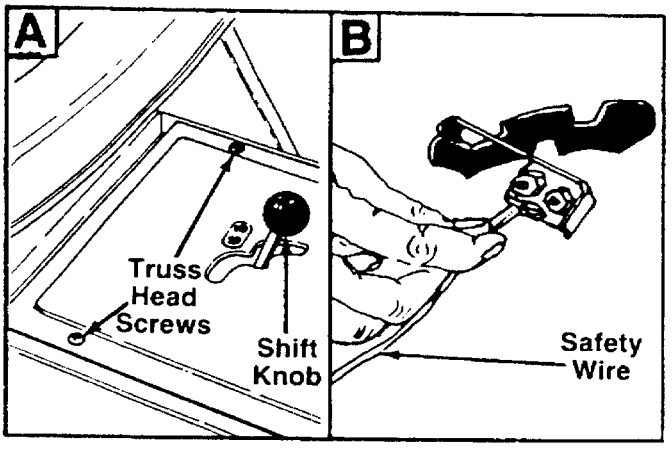


FIGURE 22.

3. Push the idler pulley toward the right side of the unit. Lift the belt over the idler pulley. See figure 23.
4. Remove the belt from the variable speed pulley.
5. Remove the two bolts which hold the shift lever bracket to the frame on the left side of the unit. Swing the bracket toward the right so the belt can be removed from the transmission pulley. See figure 23.
6. Replace belt, and reassemble in reverse order.

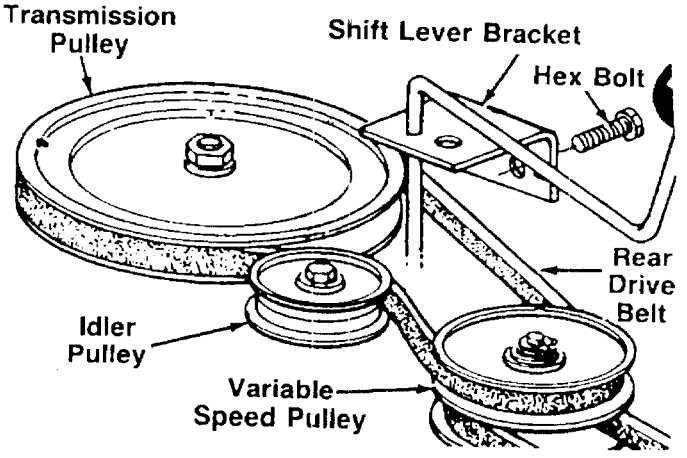


FIGURE 23.

FRONT DRIVE BELT

1. To remove the front drive belt, first remove the rear drive belt from the idler pulley and variable speed pulley.
2. Place the lift lever in the disengaged position.
3. Remove the three hex bolts (belt keepers) from the engine pulley belt guard. Refer to figure 20.
4. Unhook the deck belt from the engine pulley.
5. Remove the two bolts, lock washers and nuts on each side of the frame which hold the engine pulley belt guard to the frame. See figure 24.

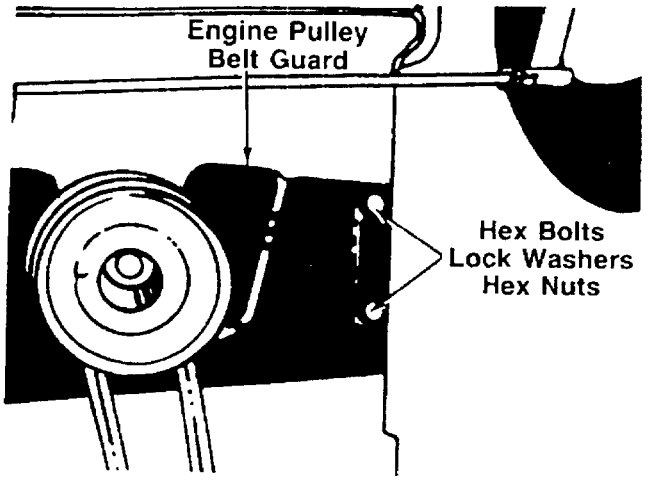


FIGURE 24.

6. Remove the engine pulley belt guard by slipping it back and to the right. See figure 25.

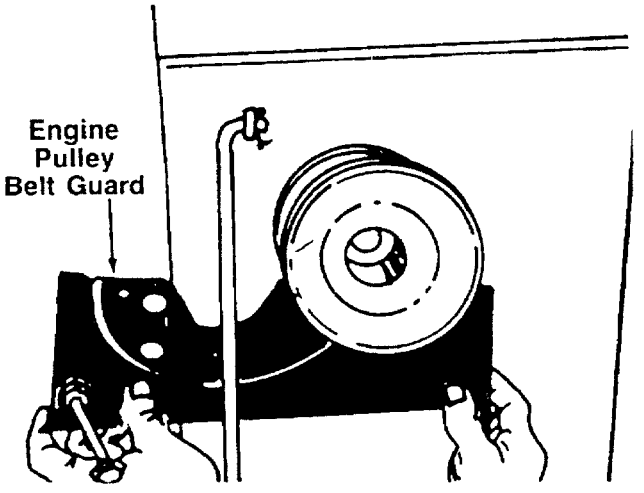


FIGURE 25.

7. Place the clutch-brake pedal in park position.
8. Push forward on the variable speed pulley, and lift the belt off the engine and remove the belt from the engine pulley.
9. Release the clutch-brake pedal. Using the pedal to move the variable speed pulley as necessary, lift the belt up and off the variable speed pulley.

NOTE: *When reassembling, make certain belt is inside the pins. See figure 26.*

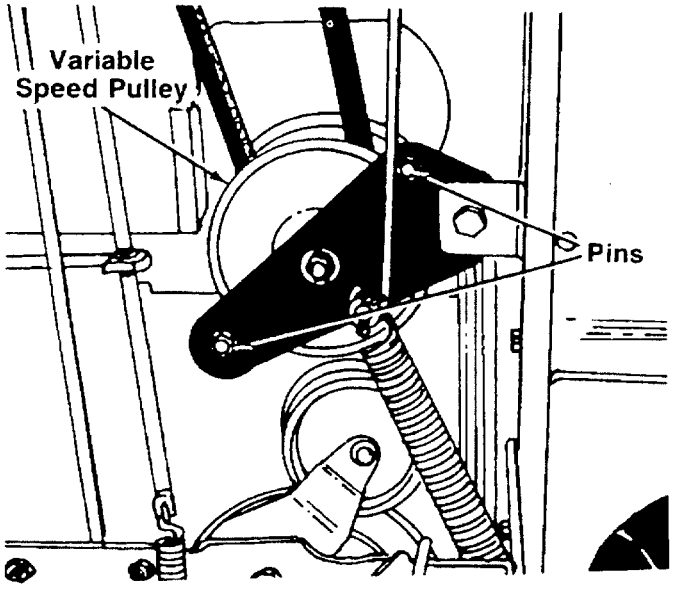


FIGURE 26.

10. Reassemble with a new belt, following instructions in reverse order.

BATTERY REMOVAL OR INSTALLATION

WARNING: When removing the battery, follow this order of disassembly to prevent the screwdriver from shorting against the frame.

1. Remove the Negative cable.
2. Remove the Positive cable.

To install a battery:

1. Attach the Positive cable.
2. Attach the Negative cable.

JUMP STARTING

1. Attach the first jumper cable from the Positive terminal of the good battery to the Positive terminal of the dead battery.
2. Attach the second jumper cable from the Negative terminal of the good battery to the FRAME OF THE UNIT WITH THE DEAD BATTERY.

WARNING: Failure to use this starting procedure could cause sparking, and the gas in either battery could explode.

BATTERY MAINTENANCE

1. Check periodically (every two weeks or before and after charging) to be sure electrolyte level is above the lowest line on battery. Add only distilled water or a good quality drinking water. NEVER add additional acid or other chemicals to battery after initial activation.
2. The battery should be checked with a hydrometer after every 25 hours of operation. If the specific gravity is less than 1.225, remove battery and recharge.
3. Coat the terminals and exposed wiring with a thin coat of grease or petroleum jelly for longer service and protection against electrolyte corrosion.
4. The battery should be kept clean. Any deposits of acid should be neutralized with soda and water. Be careful not to get this solution in the cells.

BATTERY STORAGE

1. Charge battery using normal methods. NEVER store discharged battery as it will not recover.
2. When storing battery for extended periods, disconnect battery cables. Removing battery from unit is recommended.
3. Store in cold, dry place.
4. Recharge battery whenever the specific gravity is less than 1.225, before returning to service, or every two months, whichever occurs first.

COMMON CAUSES FOR BATTERY FAILURE ARE:

1. Overcharging
2. Undercharging
3. Lack of water
4. Loose holds downs and/or corroded connections
5. Excessive loads
6. Battery electrolyte substitutes
7. Freezing of electrolyte

NOTE: *THESE FAILURES DO NOT CONSTITUTE WARRANTY.*

TIRES

Recommended operating tire pressure is approximately 12 p.s.i. (check sidewall of tire for tire manufacturer's recommended pressure). Maximum tire pressure under any circumstances is 30 p.s.i. Equal tire pressure should be maintained on all tires.

When installing a tire to the rim, be certain rim is clean and free of rust. Lubricate both the tire and rim generously. Never inflate to over 30 p.s.i. to seat beads.

WARNING: Excessive pressure (over 30 p.s.i.) when seating beads may cause tire/rim assembly to burst with force sufficient to cause serious injury.

OFF-SEASON STORAGE

If the machine is to be inoperative for a period longer than 30 days, prepare for storage as follows.

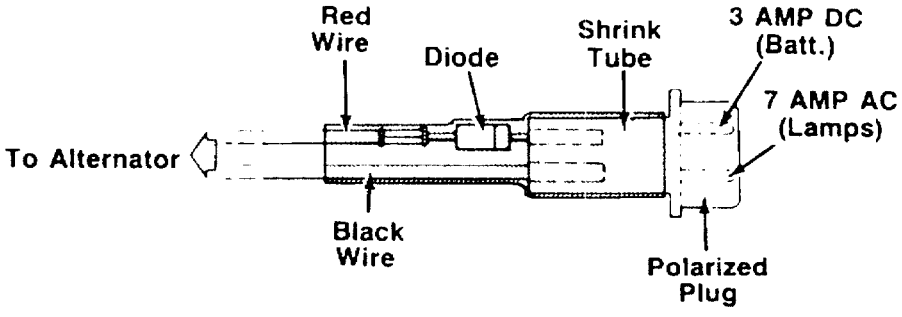
1. Clean the engine and the entire unit thoroughly.
2. Lubricate all lubrication points. Wipe the entire machine with an oiled rag to protect the surfaces.
3. Refer to the engine section of this manual for correct engine storage instructions.
4. Refer to battery storage instructions on page 19.
5. Store unit in a clean, dry area.

NOTE: *When storing any type of power equipment in an unventilated or metal storage shed, care should be taken to rustproof the equipment. Using a light oil or silicone, coat the equipment, especially any chains, springs, bearings and cables.*

At the time of manufacture of lawn tractor, the optional accessories listed below are available.

Description	Stock No.
36" Snow Thrower	89-33848R
42" Snow Blade	89-33879R
Grass Collector	89-35111R
38" Lawn Sweeper	89-37952R
30 Lb. Wheel Weights	89-33862R
Gang Reel	89-27R

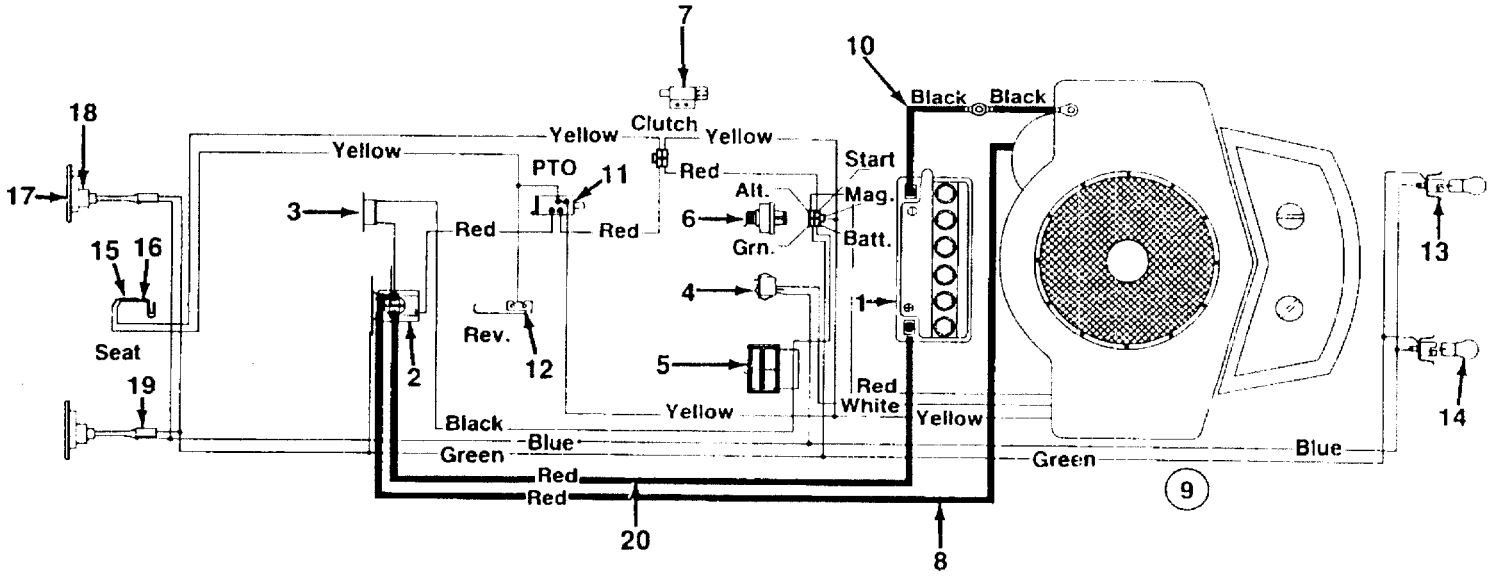
TROUBLE SHOOTING CHART FOR ELECTRIC START MODELS

TROUBLE	LOOK FOR	REMEDY
Engine will not crank	Battery installed incorrectly	The battery must be installed with the negative terminal, identified at the termina post by (Neg, N or −), grounded. The positive terminal (Pos, P or +) attaches to the large cable from the solenoid. The small red wire from the fuse holder or circuit breaker is also attached to the positive terminal.
	Blown fuse or circuit breaker	Replace fuse with 7½ amp. fuse ¼ x 1¼" lg. Circuit breaker will reset itself when it cools off. Fuses or circuit breakers seldom open or fail without a reason. The problem must be corrected. Check for loose connections in the fuse holder. Replace fuse holder if necessary. A dead short may be in the cranking or charging circuit where the insulation may have rubbed through and exposed the bare wire. Replace the wire or repair with electrician's tape if the wire strands have not been damaged. Note: Look for a wire pinched between body panels, burned by the exhaust pipe or muffler or rubbed against a moving part.
	Battery is dead or weak	Use a hydrometer to check the condition of the battery. The Specific Gravity (s.g.) should be 1.265 at 80°F. (1.215 s.g. minimum needed for cranking engine). The reason for the battery failing must be determined. (1) Defective battery. Battery will not accept or hold a full charge. (2) Short circuit. Check for grounded wire. (3) Charging system not working. The charging system is an alternator located under the flywheel. It is unregulated and rated 3 amp. at 3600 r.p.m. A diode (rectifier) is located in the output lead just before the wire harness plug on the engine side  The diode changes A.C. to D.C. to charge the battery. A bad diode can either fail to charge the battery or discharge the battery if the alternator is shorted as well as the diode. To test: (1) Disconnect charger lead from the battery (small red wire). (2) Connect 12 V small test lamp between the 3 amp. D.C. charge lead and the positive terminal of the battery. (3) With the engine off, the lamp should not light. If it does, the diode and possibly the alternator should be replaced. (4) Start the engine. The lamp should light. If it does not, the alternator (stator) or lead wire is bad and should be replaced.
	Mechanical failure (Wires and switches)	The interlock system includes two mechanical activated switches which are wired in series in the circuit used to energize the starter solenoid. While testing the interlock system, you will make the mower temporarily unsafe by permitting the engine to be started with the blade and clutch engaged. WARNING: While testing, disengage the clutch, shut off the blade control, set the parking brake and place the gear shift lever in neutral. Attach a wire (minimum 18 gauge) to the positive terminal of the battery and touch the other end to the small terminal on the solenoid. **If the engine does not crank:** (1) There is a loose connection or poor ground. (2) The solenoid may be bad. The solenoid can be checked by using a heavy wire (#8 gauge minimum) and jumping between the two large terminals. If the engine cranks, the solenoid is bad. (3) If the engine does not crank when you jump the solenoid, have the starter motor tested by an authorized engine dealer. If the engine does crank, the problem is with one of the safety switches, ignition switch or the wire between the fuse holder (or circuit breaker) and the small terminal on the solenoid. Note: Look for a poor connection at the switches or a defective switch. Replace if necessary.
Engine cranks but will not start	Throttle or choke not in starting position	Check owner's guide for correct position for throttle control and choke for starting
	No spark to spark plug	Spark plug lead disconnected. Connect lead. Hold spark plug lead away from engine block about 1/8". Crank engine. There should be a spark. If not, have engine repaired. Faulty spark plug. To test, remove spark plug. Attach spark plug lead to spark plug. Ground the spark plug body against the engine block. Crank the engine. The spark plug should fire at the electrode. Replace if it does not.

TROUBLE SHOOTING CHART FOR ELECTRIC START MODELS

TROUBLE	LOOK FOR	REMEDY
	No fuel to the carburetor	Gasoline tank empty. Fill. Fuel line or in-line fuel filter plugged. Remove and clean fuel line. Replace filter if necessary.
	Air filter dirty	If the air cleaner is dirty, the engine may not start. Clean or replace as recommended by the engine manufacturer.
Engine smokes	Engine loses crankcase vacuum	Dipstick not seated or broken. Replace defective part. Engine breather defective. Replace.
Excessive vibration	Bent or damaged blade spindle	**Stop engine immediately.** Check all pulleys, blade adapters, keys and bolts for tightness and damage. Tighten or replace any damaged parts.
	Bent blade	**Stop engine immediately.** Replace damaged blade. Only use original equipment blades.
Mower will not discharge grass or leaves uncut strips	Engine speed low Transmission selection Blades short or dull	Throttle must be set between 3/4 and full throttle. Use lower transmission speed. The slower your ground speed, the better the quality of cut. Sharpen or replace blades (uncut strip problem only).

TMO-33940A
TMO-33941A
TMO-33942A

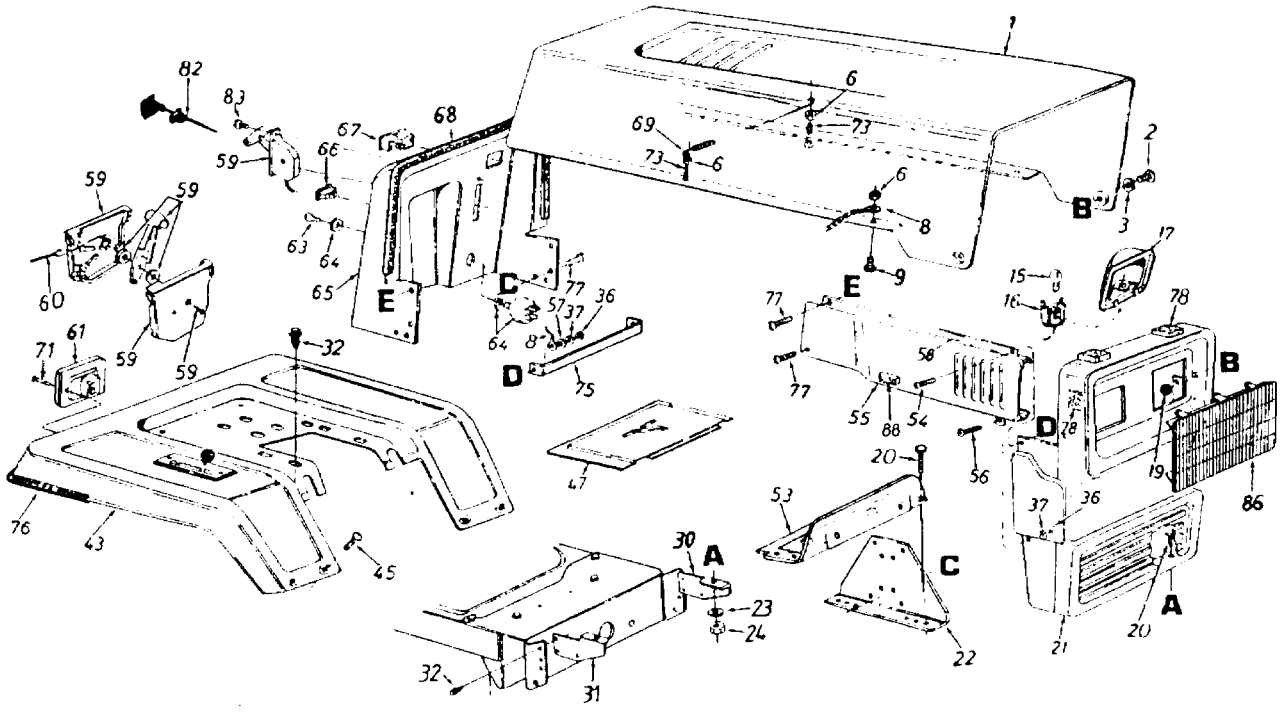


PARTS LIST FOR TMO-33940A, TMO-33941A AND TMO-33942A

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	725-1430	Battery—12V	11	725-0803B	Safety Switch (Deck)
2	725-1426	Solenoid	12	725-0759	Safety Switch (Reverse)
3	725-0459	Circuit Breaker	13	725-1058A	Headlight Socket
4	725-0634	Light Switch	14	725-0963	Headlight Bulb
5	725-0925	Ammeter	15	725-1303	Safety Switch (Seat)
6	725-0267	Ignition Switch	16	725-1439	Safety Switch (Seat)
7	725-3169	Safety Switch (Clutch)	17	725-3020	Taillight Bulb ††
8	725-0562	Electric Wire—32.5" Lg.	18	725-3018	Taillight††
9	725-1500	Wire Harness††	19	725-1380	Taillight Harness††
	725-1501	Wire Harness†	20	725-1080	Electric Wire—27" Lg.
10	725-0977	Ground Wire—11.5" Lg.	21	725-0980	Ground Wire—7.5" Lg.

†Model TMO-33942A Only.
††Models TMO-33940A and TMO-33941A Only.

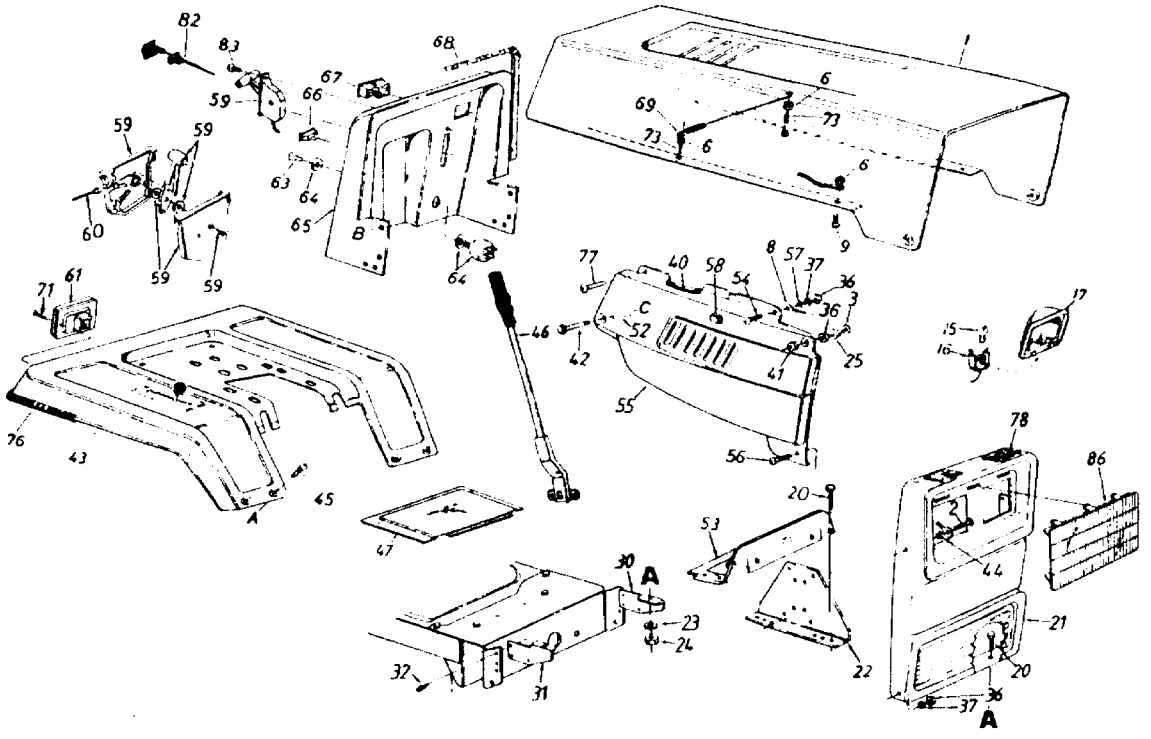
TMO-33940A



42" LAWN TRACTOR
PARTS LIST FOR MODEL TMO-33940A

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	15808DCC629	Hood	56	710-0286	Truss Mach. Scr. ¼-20 x .50" Lg.*
2	738-0724	Shld. Bolt .375 Dia. x .125			
3	736-0413	Washer .39" I.D. x .62"	57	736-0173	Fl-Wash. .281" I.D. x .73" O.D.
6	712-0272	Hex Sems Nut #10-24 Thd.*	58	726-0152	Mounting Clamp
8	727-0290	Hood Stop	59	831-0823A	Throttle Control Box Ass'y.
9	710-0473	Truss Hd. Scr. #10-24 x ½"*	60	746-0634	Throttle Control Wire
15	725-0963	Lamp	61	725-3018	Taillight
16	725-1058A	Twist Lock—Lamp Socket	63	725-0201	Ignition Key
17	731-0705	Headlight Housing	64	725-0267	Ignition Switch
19	712-0380	L-Nut ¼-28 Thd.	65	17295	Dash Panel
20	710-0118	Hex Bolt 5/16-18 x .75" Lg.*	66	725-0634	Light Switch
21	16457CC460	Grille	67	725-0925	Ammeter
22	17300	Dash Support Bracket	68	731-0511-31	Trim Strip—31"
23	736-0119	L-Wash. 5/16" I.D.*	69	732-0462	Hood Spring
24	712-0267	Hex Nut 5/16-18 Thd.*	71	710-0936	Truss Hd. AB-Tap Scr. #6 x 62" Lg.
30	15821	Grille Mount Brk't.—L.H.			
31	15822	Grille Mount Brk't.—R.H.	73	710-0749	Hex Scr. #10-24 x 1.0" Lg.
32	710-0726	Hex Wash. Hd. AB-Tap Scr. 5/16 x .75" Lg.	75	15931	Tie Strap—Grille/Side Panel
			76	731-0511-81	Trim Strip—81"
36	712-0287	Hex Nut ¼-20 Thd.*	77	710-0642	Hex Wash. Hd. Tap Scr. ¼ x .75" Lg.
37	736-0329	L-Wash. ¼" I.D.*			
43	17231CC629	Rear Fender	78	722-0157	Foam Strip 3/8 x 1-1/8" x 1½" Lg. (4 Req'd.)
45	710-0167	Carriage Bolt ¼-20 x .50"*			
47	17286	Transmission Panel	82	746-0613A	Choke Control 46" Lg.
53	17633	Support Brkt.	83	710-0779A	Truss Mach. AB-Tap Scr. #10 x .5" Lg.
54	710-0255	Truss Hd. Scr. ¼-20 x .75"*			
55	16469	Side Cover—R.H.	86	731-0967	Headlight Bezel
	15815A	Side Cover—L.H. (Not Shown)	88	735-0224	Rubber Strip

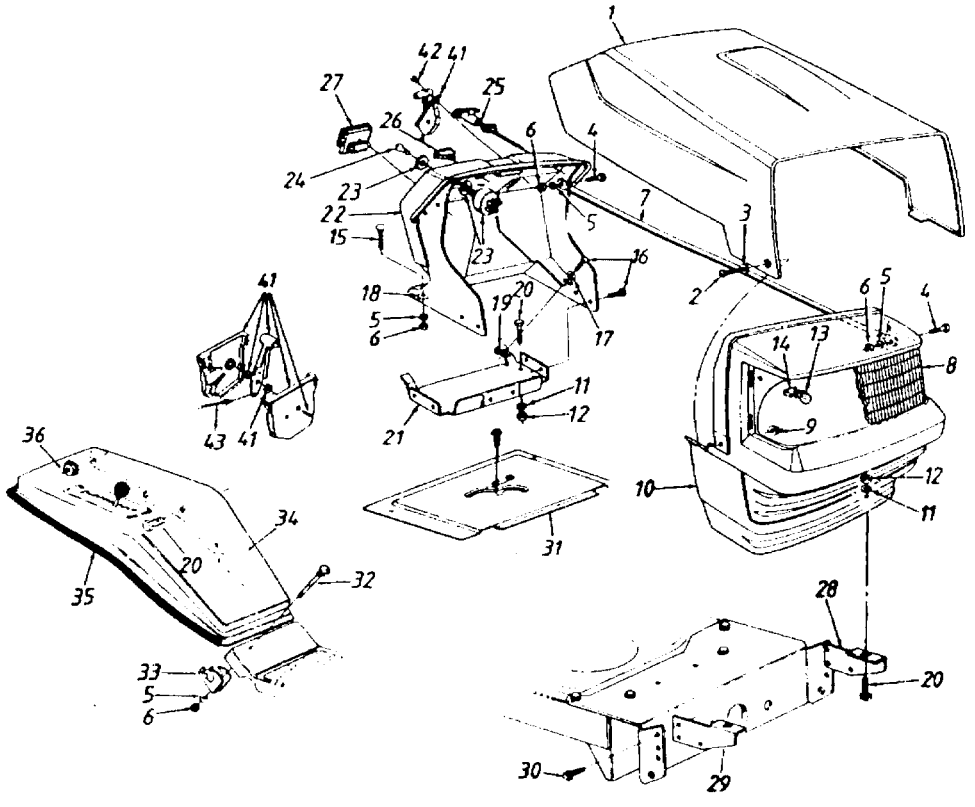
TMO-33941A



42" LAWN TRACTOR
PARTS LIST FOR MODEL TMO-33941A

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	16787ACC629	Hood	53	17633	Support Brkt.
2	710-0206	Hex Bolt ¼-20 x .88" Lg.	54	710-0255	Truss Hd. Scr. ¼-20 x .75" *
3	736-0413	Washer .39" I.D. x .62"	55	17458	Side Cover w/Foam—R.H.
6	712-0272	Hex Sems Nut #10-24 Thd.*		17459	Side Cover w/Foam—L.H. (Not Shown)
8	727-0290	Hood Stop			
9	710-0473	Truss Hd. Scr. #10-24 x ½" *	56	710-0286	Truss Mach. Scr. ¼-20 x .50" Lg.*
15	725-0963	Lamp			
16	725-1058	Twist Lock—Lamp Socket	57	736-0173	Fl-Wash. .281" I.D. x .73" O.D.
17	731-0705	Headlight Housing	58	726-0152	Mounting Clamp
20	710-0118	Hex Bolt 5/16-18 x .75" Lg.*	59	831-0823A	Throttle Control Box Ass'y.
21	16456BCC460	Grille—Used w/Headlight Bezel	60	746-0634	Throttle Control Wire
22	17300	Dash Support Bracket	61	725-3018	Taillight
23	736-0119	L-Wash. 5/16" I.D.*	63	725-0201	Ignition Key
24	712-0267	Hex Nut 5/16-18 Thd.*	64	725-0267	Ignition Switch
25	738-0759	Shld. Spacer	65	17295	Dash Panel
30	15821	Grille Mount Brkt.—L.H.	66	725-0634	Light Switch
31	15822	Grille Mount Brkt.—R.H.	67	725-0925	Ammeter
32	710-0726	Hex Wash. Hd. AB-Tap Scr. 5/16 x .75" Lg.	68	731-0511-31	Trim Strip—31"
			69	732-0462	Hood Spring
36	712-0287	Hex Nut ¼-20 Thd.*	71	710-0936	Truss Hd. AB-Tap Scr. #6 x .62" Lg.
37	736-0329	L-Wash. ¼" I.D.*			
40	731-0511-12	Trim Strip—12"	73	710-0749	Hex Scr. #10-24 x 1.0" Lg.
41	712-0264	Acron Nut ¼-20 Thd.	76	731-0511-81	Trim Strip—81"
42	710-1026	Hex TT-Tap Scr. ¼-20 x 1.75" Lg.	77	710-0642	Hex Wash. Hd. Tap Scr. ¼ x .75" Lg.
43	17231CC629	Rear Fender	78	722-0157	Foam Strip 3/8 x 1-1/8" x 1½ Lg. (4 Req'd.)
44	736-0222	Ext. L-Wash. ¼" I.D.			
45	710-0167	Carriage Bolt ¼-20 x .50" *	82	746-0613A	Choke Control 46" Lg.
46	17675	Lift Handle	83	710-0779A	Truss Mach. AB-Tap Scr. #10 x .5" Lg.
47	17286	Transmission Panel			
52	750-0583	Spacer 1.30" Lg.	86	731-0967	Headlight Bezel

TMO-33942A



42" LAWN TRACTOR
PARTS LIST FOR MODEL TMO-33942A

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	17551	Hood	21	17632	Gas Tank Support Brkt.
2	738-0724	Shld. Bolt .375" Dia. x .125" Lg.	22	731-1093	Dash
3	736-0175	Spr. Wash. .265" I.D. x .562" O.D.	23	725-0267	Ignition Switch
			24	725-0201	Ignition Key
4	710-0258	Hex Bolt ¼-20 x .62" Lg.*	25	746-3022B	Choke Control
5	736-0329	L-Wash. ¼" I.D.*	26	725-0634	Light Switch
6	712-0287	Hex Nut ¼-20 Thd.*	27	725-0925	Ammeter
7	749-0812	Grille Support Rod	28	15821	Grille Mtg. Brkt.—L.H.
8	731-1099	Headlight Lens	29	15822	Grille Mtg. Brkt.—R.H.
9	712-0380	Flange L-Nut ¼-28 Thd.	30	710-0607	Hex Wash. Hd. Tap Scr. 5/16 x .5" Lg.
10	731-1097	Grille			
11	736-0119	L-Wash. 5/16" I.D.*	31	17286	Shift Cover
12	712-0267	Hex Nut 5/16-18 Thd.*	32	710-0495	Carriage Bolt ¼-20 x 2.0" Lg.
13	725-0963	Lamp	33	14671	Fender Clamp
14	725-1058A	Socket	34	16197A	Fender (R.H.)
15	710-0932	Carriage Bolt ¼-20 x 1.0" Lg.		14666	Fender (L.H.) Not Shown
16	710-0599	Hex Wash. Hd. TT-Tap Scr. ¼-20 x .5" Lg.	35	731-0511-80	Trim Strip
			36	712-0272	Hex Sems Nut #10-24 Thd.
17	736-0173	Fl-Wash. .281" I.D. x .73" O.D.	41	831-0823A	Throttle Box Ass'y.
18	726-0233	Bolt Retainer ¼" I.D.	42	710-0779A	Truss Mach. AB-Tap Scr. #10 x .5" Lg.
19	712-0185	Speed Nut ¼-20 Thd.			
20	710-0118	Hex Bolt 5/16-18 x .75" Lg.	43	746-0634	Throttle Control Wire

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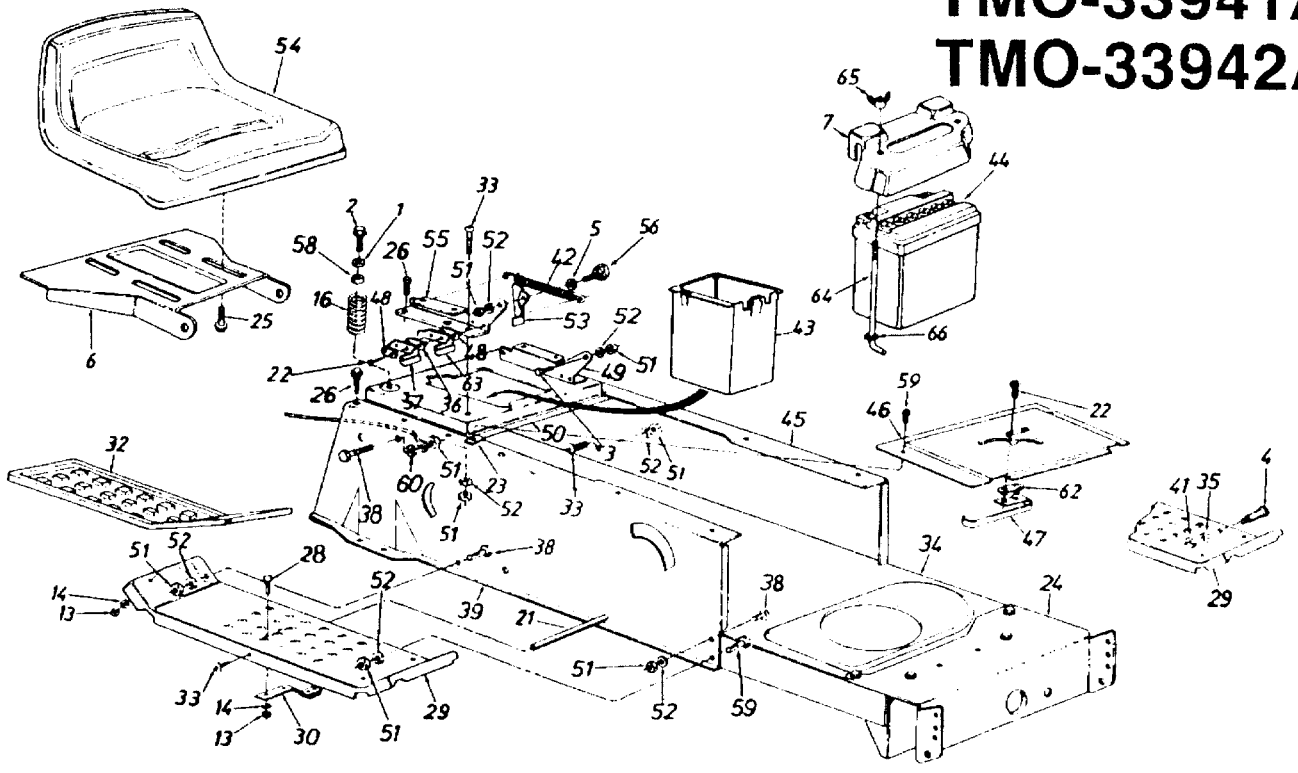

42" LAWN TRACTORS
PARTS LIST FOR MODEL TMO-33940A, TMO-33941A AND TMO-33942A

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	736-0159	Fl-Wash. .344" I.D. x .875"	38	710-0118	Hex Bolt 5/16-18 x .75" Lg.*
2	710-0817	Hex Wash. Hd. Tap Scr. 5/16-18 x 1.25" Lg.	39	17622	Upper Frame—R.H.
3	738-0155	Shld. Bolt .437" Dia. x .162"	41	712-0798	Hex Nut 3/8-16 Thd.*
4	738-0145	Shld. Bolt .50" Dia. x .84"	42	732-0581	Extension Spring 5.31" Lg.
5	736-0141	Spr-Wash. .445" I.D. x .75	43	731-0873A	Utility Box
6	15607D	Seat Pivot Bracket	44	725-1430	Battery (2.75 Cold Crank Amps)
13	712-0287	Hex Nut ¼-20 Thd.*	45	17623	Upper Frame—L.H.
14	736-0329	L-Wash. ¼" I.D.	46	17286	Shift Cover
16	732-0588	Compression Spring	47	725-0759	Reverse Safety Switch
21	738-0526	Running Board Rod	48	726-0276	Insulator End Plate
22	710-0227	Hex Wash. Hd. AB-Tap Scr. #8 x .50" Lg.	49	17701	Seat Pivot Brkt. Support—L.H.
23	726-0139	Speed Nut #10Z	50	17226A	Hitch Plate
24	17621	Front Pivot Brkt.	51	712-0267	Hex Nut 5/16-18 Thd.*
25	710-0623	Hex Tap Scr. 3/8-16 x .75"	52	736-0119	L-Wash. 5/16" I.D.*
26	710-0726	Hex Wash. Hd. AB-Tap Scr. 5/16 x .75" Lg.	53	17239A	Seat Lift Brkt.
28	710-0134	Carriage Bolt ¼-20 x .62"*	54	757-0338	Seat 10-5/8" High
29	17770	Running Board (R.H. & L.H.)	55	17702	Seat Pivot Brkt. Support—R.H.
30	761-0168	Blade Brake Ass'y.	56	738-0296	Shld. Bolt .437" Dia. x .268"
32	731-0909	Rubber Foot Pad—L.H.	57	725-1303	Spring Switch
	731-0910	Rubber Foot Pad—R.H.	58	722-0160	Bushing
33	710-0323	Truss Mach. Scr. 5/16-18 x .75" Lg.*	59	710-0971	Truss Hd. Scr. 5/16-18 x 1.0" Lg.
34	17620	Lower Frame	60	736-0607	External L-Wash. 5/16" I.D.
35	736-0169	L-Wash. 3/8" I.D.*	62	726-0222	Insulator Nut Plate
36	726-0275	Insulator Center Plate	63	725-1439	Safety Switch (Seat)
			64	711-0222	Battery Hold Down Rod
			65	712-0113	Wing Nut Plastic ¼-20 Thd.
			66	726-0271	Push Nut

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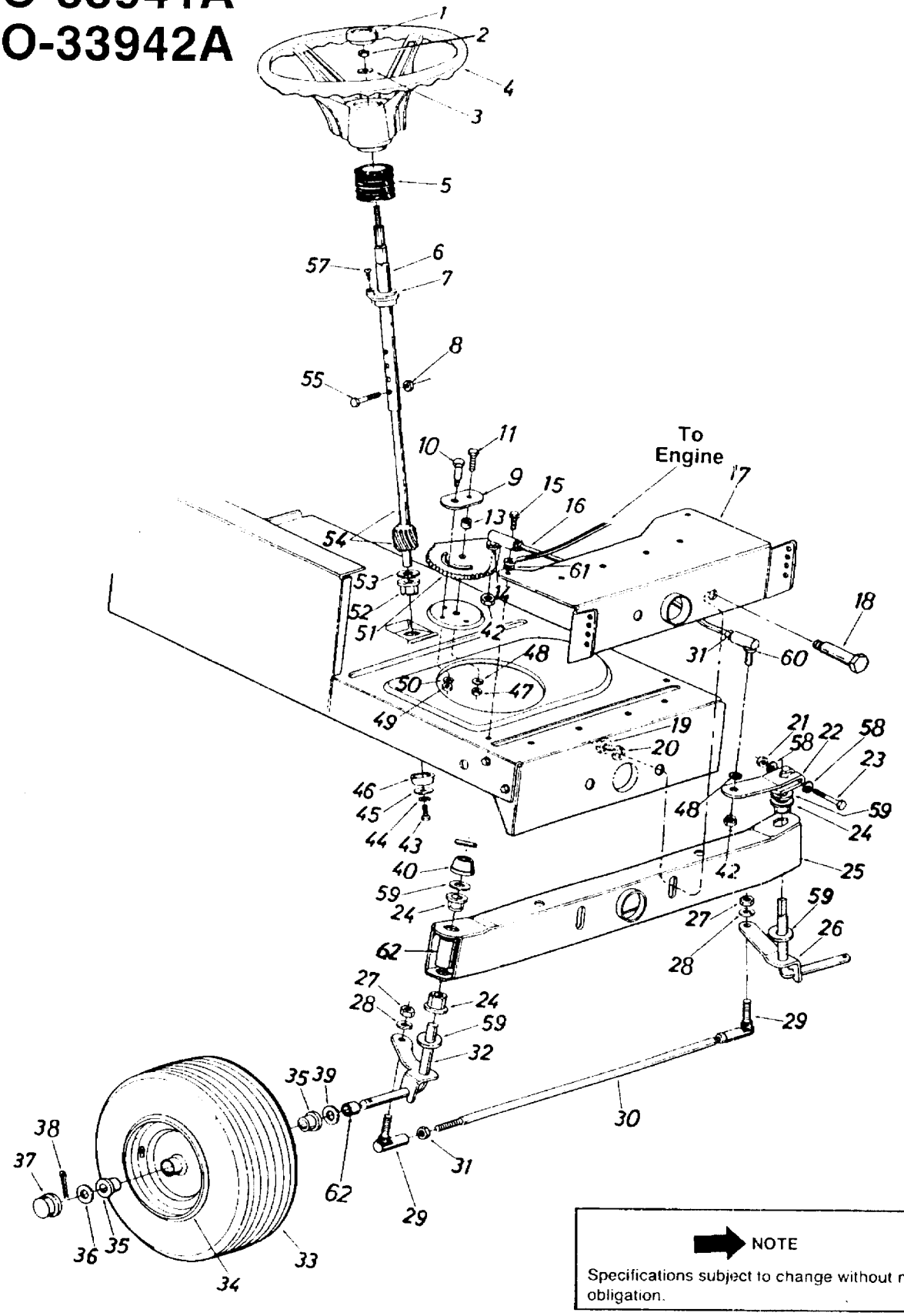

NOTE

Specifications subject to change without notice or obligation.

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42" LAWN TRACTORS
PARTS LIST FOR MODEL TMO-33940A, TMO-33941A AND TMO-33942A

REF. NO.	PART NO.	DESCRIPTION
1	731-0220	Steering Wheel Cap
2	712-0237	Hex L-Nut 5/16-24 Thd.
3	736-0242	Belleville Wash. .345" I.D.
4	731-0806A	Steering Wheel
5	731-0559	Steering Bellow (TMO-33940A, TMO-33941A)
	731-0954	Steering Bellow (TMO-33942A)
6	16512	Steering Column Ass'y.
7	741-0356	Flange Bearing .890 I.D. x 1.36 O.D.
8	712-0324	Hex L-Nut ¼-20 Thd.
9	17198	Retainer Plate
10	738-0141	Shoulder Bolt .437" Dia. x .35 Lg. 5/16-18 Thd.
11	710-0152	Hex Bolt 3/8-24 x 1.0" Lg. (Grade 5)
13	750-0535	Spacer .380" I.D. x .625" O.D. x .227
14	736-0169	L-Wash. 3/8" I.D.*
15	710-0726	Hex Wash. Hd. Self-Tap Scr.
16	711-0788	Steering Drag Link
17	17621	Front Pivot Brkt.
18	738-0527	Shoulder Bolt .498" Dia. x 2.04 Lg. 3/8-16 Thd.
19	712-0798	Hex Nut 3/8-16 Thd.*
20	736-0169	L-Wash. 3/8" I.D.*
21	712-0237	Hex Cent. L-Nut 5/16-24 Thd.
22	16481	Steering Arm Front Axle
23	710-0772	Hex Bolt 5/16-24 x 2.00" Lg. (Grade 5)
24	741-0225	Hex Flg. Brg. .634 I.D.
25	14608	Pivot Bar Ass'y.
26	17585	Front Axle Ass'y.—L.H.
27	712-0241	Hex Nut 3/8-24 Thd.*
28	736-0169	L-Wash. 3/8" I.D.*
29	723-3018	Ball Joint 3/8-24 Thd.
30	747-0753	Tie Rod
31	712-0711	Hex Jam Nut 3/8-24 Thd.*
32	17584	Front Axle Ass'y.—R.H.
33	734-0863	Wheel Ass'y. Comp.**
	734-0864	Tire Only**
34	734-0997A	Front Wheel Rim Only
35	741-0487	Bearing
36	736-0285	Fl-Wash. .635 I.D. x 1.59" O.D.
37	731-0484A	Front Wheel Hub Cap
38	714-0470	Cotter Pin 1/8" Dia. x 1.25"*
39	736-0187	Fl-Wash. .640" I.D. x 1.24" O.D.
40	726-0214	Push Cap 5/8" Dia. Rod
42	712-0711	Hex Jam Nut 3/8-24 Thd.*
43	710-0538	Hex L-Bolt 5/16-18 x .62"*
44	736-0119	L-Wash. 5/16" I.D.*
45	736-0343	Fl-Wash. .33" I.D. x 1.25" O.D.
46	750-0532	Spacer (Plastic)
47	712-0241	Hex Nut 3/8-24 Thd.*
48	736-0169	L-Wash. 3/8" I.D.*
49	712-0267	Hex Nut 5/16-18 Thd.*
50	736-0119	L-Wash. 5/16" I.D.*
51	717-0622	Steering Gear Segment
52	741-0225	Hex Flg. Brg. .634 I.D.
53	736-0187	Fl-Wash. (Hardened)
54	738-0522A	Steering Shaft Lower
55	710-0958	Hex Bolt ¼-20 x 1.25" Lg. (Special)
57	710-0837	Oval Hd. Cr.—Sunk Scr. #10 x 5/8" Lg.
58	736-0271	Wave-Wash. .32" I.D. x .62" O.D.
59	736-0187	Fl-Wash. (Hardened)
60	723-3018	Drag Link Ball Joint 3/8-24 Thd.
61	736-0607	Ext. L-Wash. 5/16" I.D.
62	731-1134	Plastic Tube

*Common Hardware—May be purchased locally. IMPORTANT: DO NOT order parts by reference number (Ref. No.).

**Note: If brand of tire is important, order by part number and description (description is printed on the sidewall of tire) [i.e. Armstrong Super Turf, Goodyear Softrac, Carlisle Turf Saver, etc.].

Part No.	Description	Part No.	Description
788-0460	Green Flake Spray Paint	770-9190	Labels—Hood Stripe (TMO-33942A)
788-0629	Silver Flake Spray Paint	777-7002	"Montgomery Ward" Logo—Side of Hood
777-5268	Steering Cap Label		
777-9123	Frame Side Labels (TMO-33940A)	777-8071	"Limited Edition"—On Grille (TMO-33940A, TMO-33941A)
777-9124	Frame Side Labels (TMO-33941A)		
777-9146	Frame Side Labels (TMO-33942A)	777-6827	"Montgomery Ward" Logo—On Grille (TMO-33942A)
777-8069	Labels—Hood Stripe (TMO-33940A, TMO-33941A)		
		770-7278E	Operating Manual

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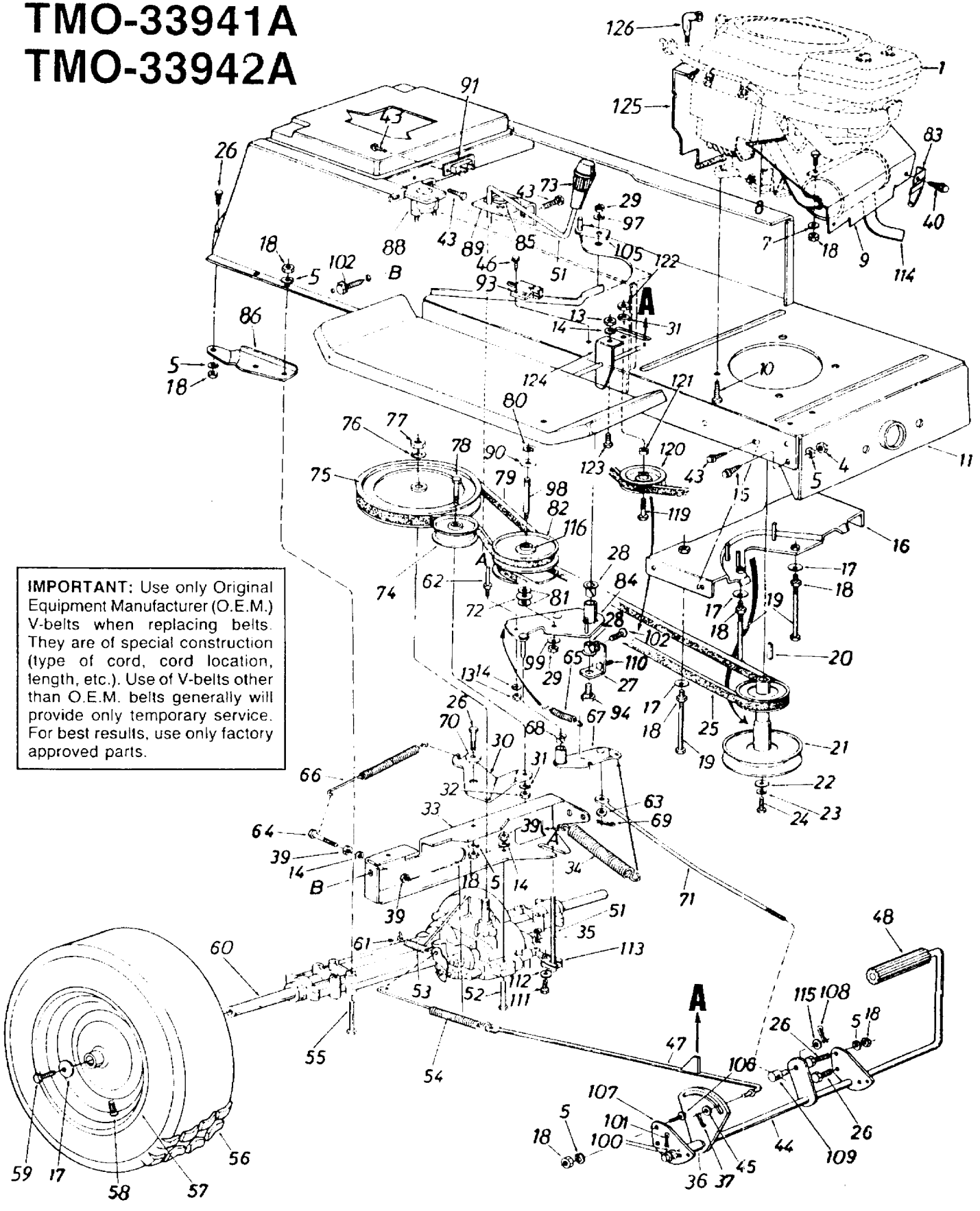

IMPORTANT: Use only Original Equipment Manufacturer (O.E.M.) V-belts when replacing belts. They are of special construction (type of cord, cord location, length, etc.). Use of V-belts other than O.E.M. belts generally will provide only temporary service. For best results, use only factory approved parts.

42" LAWN TRACTORS
PARTS LIST FOR MODELS TMO-33940A, TMO-33941A AND TMO-33942A

REF. NO.	PART NO.	DESCRIPTION
1	—	Engine
4	712-0123	Hex Nut 5/16-24 Thd.*
5	736-0119	L-Wash. 5/16" I.D.*
7	736-0170	Spec. L-Wash. .38" I.D. x .88"
8	731-0511-12	Trim Strip
9	16934	Front Heat Shield
10	710-0502A	Hex L-Wash. Tap Scr. 3/8-16 x 1.5" Lg.
11	17620	Lower Frame Ass'y.
13	712-0287	Hex Nut ¼-20 Thd.*
14	736-0329	L-Wash. ¼" I.D.*
15	710-1012	Rib Neck Bolt 5/16-24 x .84" Lg.
16	16219A	Belt Guard Brkt. Ass'y.
17	736-0242	Bell-Wash. .345" I.D. x .88"
18	712-0267	Hex Nut 5/16-18 Thd.*
19	710-0190	Hex Bolt 5/16-18 x 4.0"*
20	714-0114	Sq. Key ¼" x ¼" x 2.00"
21	756-0424	Engine Pulley
22	736-0322	Fl-Wash. 7/16" I.D. x 1.25"
23	736-0171	L-Wash. 7/16" I.D.*
24	710-0757	Hex Bolt 7/16-20 x 1.50" Lg.
25	754-0280	Variable-Speed Belt
26	710-0118	Hex Bolt 5/16-18 x .75" Lg.
27	16553	Bearing Shaft Bracket Ass'y.
28	741-0295	Flanged Nyliner Brg. 5/8" I.D. x .88" Lg.
29	712-0241	Hex Nut 3/8-24 Thd.*
30	17643	Idler Bracket
31	736-0169	L-Wash. 3/8" I.D.*
32	712-0241	Hex Nut 3/8-24 Thd.*
33	17629	Transaxle Support Brkt.
34	732-0556	Ext. Spring .94" O.D. x 7.58"
35	714-0149B	Inter. Cotter Pin
36	750-0802	Spacer .63" I.D.
37	714-0507	Cotter Pin 3/32" Dia. x .75"*
39	712-0138	Hex Nut ¼-28 Thd.
40	710-0776	Hex AB-Tap Scr. ¼" x .62" Lg.
43	710-0599	Hex Wash. Hd. S-Tap Scr. ¼-20 x .50" Lg.
44	17715	Clutch/Brake Pedal Ass'y.
45	736-0117	Fl-Wash.
46	710-0351	Truss Mach. Scr. B-Tap Scr. #10 x .5" Lg.
47	17686	Brake Rod Ass'y.
48	735-0196	Foot Pad
51	17705	Shift Lever Ass'y.
52	710-0559	Hex Bolt ¼-28 x 1.75" Lg.*
53	732-0264	Ext. Spring .38" O.D. x 2.5"
54	732-0413	Ext. Spring .59" O.D. x 7.08"
55	710-0176	Hex Bolt 5/16-18 x 2.75"*
56	734-1675	Wheel Ass'y. Comp.**
	734-1596	Tire Only**
57	734-0603A	Wheel Rim Only
58	734-0255	Air Valve (Service Only)
59	710-0627	Hex Bolt 5/16-24 x .75" Lg.*
60	717-0542	Transaxle Complete
61	732-0454	Brake Return Spring Anchor
62	711-0768	Belt Guard Pin ¼-20 Thd.
63	736-0275	Fl-Wash. .34" I.D. x .68" O.D.
64	710-0428	Hex Bolt ¼-28 x 1.25" Lg.*
65	732-0568	Ext. Spring
66	732-0384	Ext. Spring .62" O.D. x 6.12"
67	16554A	Variable Speed Torque Brkt. Ass'y.
68	741-0419	Flanged Bearing
69	714-0507	Cotter Pin 3/32" Dia.*
70	748-0234	Shoulder Spacer .27" Lg.
71	747-0530	Speed Control Link
72	741-0405	Truss Bearing .56 Dia. x 1.25"
73	720-0232	Shift Knob
74	756-0437	Fl-Idler Pulley 3.25" x .75"
75	756-0557	½" "V"-Pulley
76	736-0921	L-Wash. ½" I.D.*
77	712-0922	Hex Jam Nut ½-20 Thd.*
78	710-0539	Hex Bolt 3/8-24 x 1.75" Lg.
79	754-0370	Variable Speed Belt
80	716-0114	Snap Ring .56" Dia.
81	736-0355	Fl-Wash.
82	717-0800	Variable Speed Pulley Ass'y. 5" O.D.
83	17450	Heat Shield Mtg. Brkt.—R.H. (Not Shown)
	17449	Heat Shield Mtg. Brkt.—L.H.
84	16354B	Variable Speed Brkt. Ass'y.
85	732-0525	Comp. Spring—Clip
86	17668	Axle Support Brkt.—R.H.
	17669	Axle Support Brkt.—L.H. (Not Shown)
88	725-1426	Solenoid
89	17630	Shift Lever Bracket
90	736-0414	Teflon Washer .565" I.D.
91	725-0459	Circuit Breaker
93	725-3169	Safety Switch (Clutch)
94	738-0755	Shld. Bolt 3/8-24 x 3.12" Lg.
97	736-0105	Bell-Wash. .38" I.D. x .88"
98	738-0569	Shaft .56" Dia. x 3.875" Lg.
99	736-0331	Bell-Wash. .39" I.D. x 1.12"
100	736-0256	Fl-Wash. .64" I.D. x .94"
101	714-0111	Cotter Pin 3/32" Dia. x 1.0"*
102	710-0604	Hex Wash. Hd. Scr. 5/16-18 x .62" Lg.
105	16067	Belt Guard
106	710-0323	Truss Mach. Scr. 5/16-18 x .75" Lg.*
107	15835A	Pedal Bracket
108	714-0507	Cotter Pin 3/32" Dia. x .75"
109	711-0198	Ferrule
110	710-0376	Hex Bolt 5/16-18 x 1.0" Lg.—(Gr. 5)
111	710-0195	Hex Bolt ¼-28 x .50" Lg.
112	736-0270	Bell-Wash. .265" I.D. x .75"
113	17707	Shift Lever Link Ass'y.
114	751-0474	Muffler
115	736-0140	Fl-Wash. .385" I.D. x .62"
116	741-0404	Needle Brgs. (2 Req'd.)
119	710-0427	Hex Bolt 3/8-16 x 1.25" Lg.
120	756-0217	Fl-Idler w/Flanges 2.75" O.D.

42" LAWN TRACTORS
PARTS LIST FOR MODELS TMO—33940A, TMO-33941A AND TMO-33942A (CONTINUED)

REF. NO.	PART NO.	CODE	DESCRIPTION	REF. NO.	PART NO.	CODE	DESCRIPTION
121	736-0280		Fl-Wash. .39" I.D. x 1.12" O.D.	125	16804A		Rear Baffle w/Trim Strip (TMC-33941A Only)
122	712-0798		Hex Nut 3/8-16 Thd.				
123	710-0258		Hex Bolt 1/4-20 x .62" Lg.	126	725-3008		Terminal Insulator Boot (TMC-33941A Only)
124	16181		Spring Hanger Brkt.				

*Common Hardware—May be purchased locally.
IMPORTANT: DO NOT order parts by reference number (Ref. No.).

**Note: If brand of tire is important, order by part number and description (description is printed on the sidewall of tire) [i.e. Armstrong Super Turf, Goodyear Softrac, Carlisle Turf Saver, etc.].

TMO-33940A
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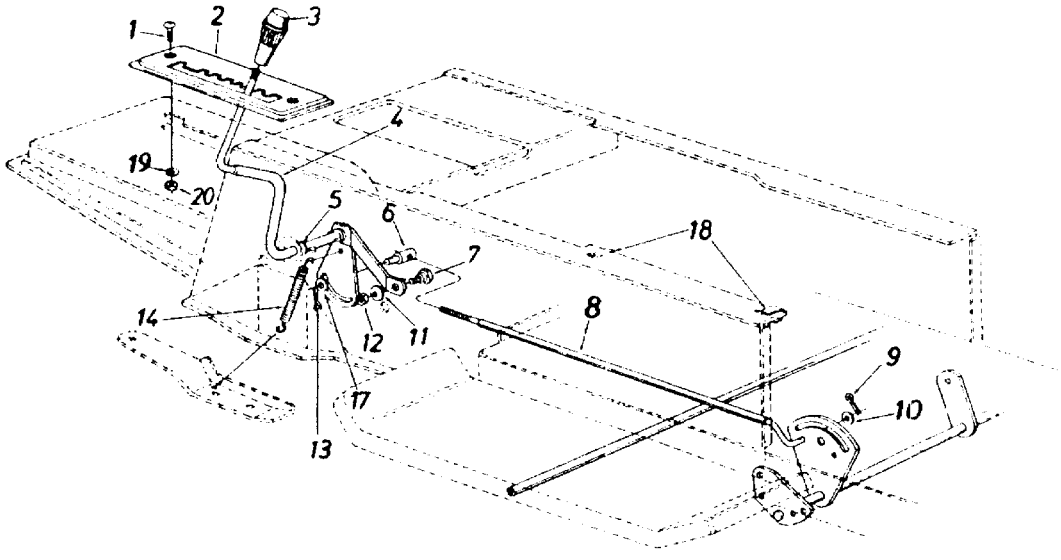
TMO-33942A



42" LAWN TRACTORS
PARTS LIST FOR MODELS TMO-33940A, TMO-33941A AND TMO-33942A

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	710-0924	Truss Mach. Scr. ¼-20 x .75" Lg.	10	736-0226	Fl-Wash. .469" I.D. x .88"
			11	736-0119	L-Wash. 5/16" I.D.*
2	16194	7-Speed Selector Plate	12	712-0267	Hex Nut 5/16-18 Thd.*
3	720-0218	Shift Knob	13	714-0507	Cotter Pin 3/32" Dia. x .75"*
4	16192A	Speed Selector Cam Ass'y.	14	732-0303	Spring .38" O.D. x 3.18" Lg.
5	736-0192	Flat Washer .53" I.D. x .93"	17	736-0140	Fl-Wash. .385" I.D. x .62"
6	711-0198	Ferrule 3/8-24 x .37" Dia.	18	726-0235	Speed Clip
7	738-0155	Shoulder Bolt	19	736-0329	L-Wash. ¼" I.D.*
8	747-0503A	Speed Control Link	20	712-0287	Hex Nut ¼-20 Thd.*
9	714-0507	Cotter Pin 3/32" Dia. x .75"*			

TMO-33940A
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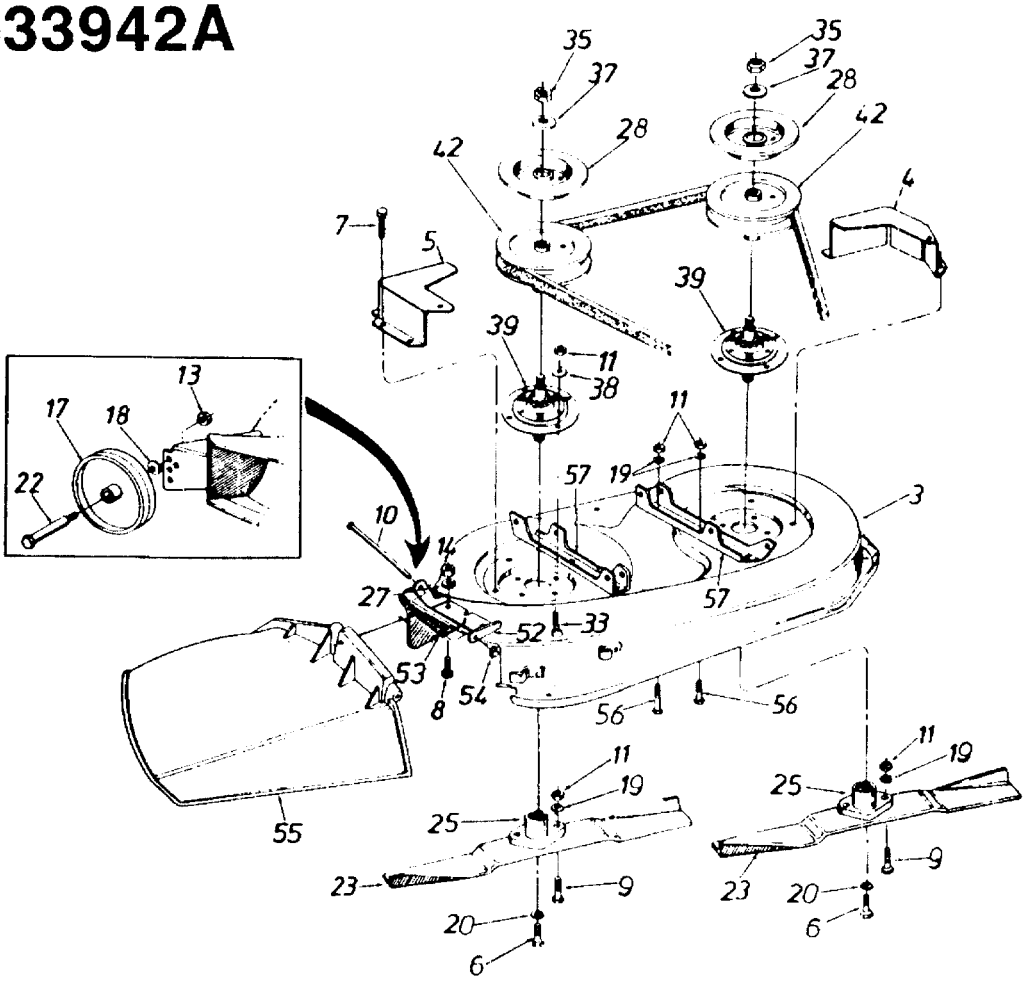

42" LAWN TRACTORS
PARTS LIST FOR MODEL TMO-33940A, TMO-33941A AND TMO-33942A

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
3	17600	42" Deck Ass'y.	22	738-0373	Shld. Bolt .498" Dia. x 1.53"
	813-06119	42" Deck Ass'y. Comp. (For Service Only)	23	742-0499	High-Lift Blade
			25	748-0300	Blade Adapter
4	17664	Belt Guard Deck—L.H.	26	754-0371	V-Belt
5	17665	Belt Guard Deck—R.H.	27	736-0270	Bell-Wash. ¼" I.D.
6	710-0152	Hex Bolt 3/8-24 x 1.0" Lg.	28	09322	Brake Disc
7	710-0599	Hex Wash. Hd. TT-Tap Scr. ¼-20 x .5" Lg.	33	710-0157	Hex Bolt 5/16-24 x .75" Lg.
			35	712-0318	Hex Jam Nut 5/8-18 Thd.
8	710-0255	Truss Mach. Scr. 1/4-20 x .75"	37	736-0158	L-Wash. 5/8" I.D.*
9	710-0888	Hex Bolt Special 5/16-24 x 1.0"	38	736-0119	L-Wash. 5/16" I.D.*
10	711-0792	Hinge Pin	39	717-0906	Blade Spindle Ass'y. Comp.
11	712-0123	Hex Nut 5/16-24 Thd.*	42	756-0556	5.5" Dia. Pulley
12	712-0138	Hex Nut ¼-28 Thd.	52	703-1693	Hinge Mtg. Brkt.
13	712-0181	Hex Top L-Nut 3/8-16 Thd.	53	732-0602	Torsion Spring
14	712-0287	Hex Nut ¼-20 Thd.*	54	726-0106	Push Nut
17	734-0973	Deck Wheel—5"	55	731-1032	Chute Ass'y. Comp.
18	736-0105	Bell-Wash. .40" I.D. x .88" O.D.	56	710-0157	Hex Bolt 5/16-24 x .75" Lg.
19	736-0119	L-Wash. 5/16" I.D.*	57	17493A	Deck Hanger Channel
20	736-0217	L-Wash. 3/8" I.D.—H.D.			

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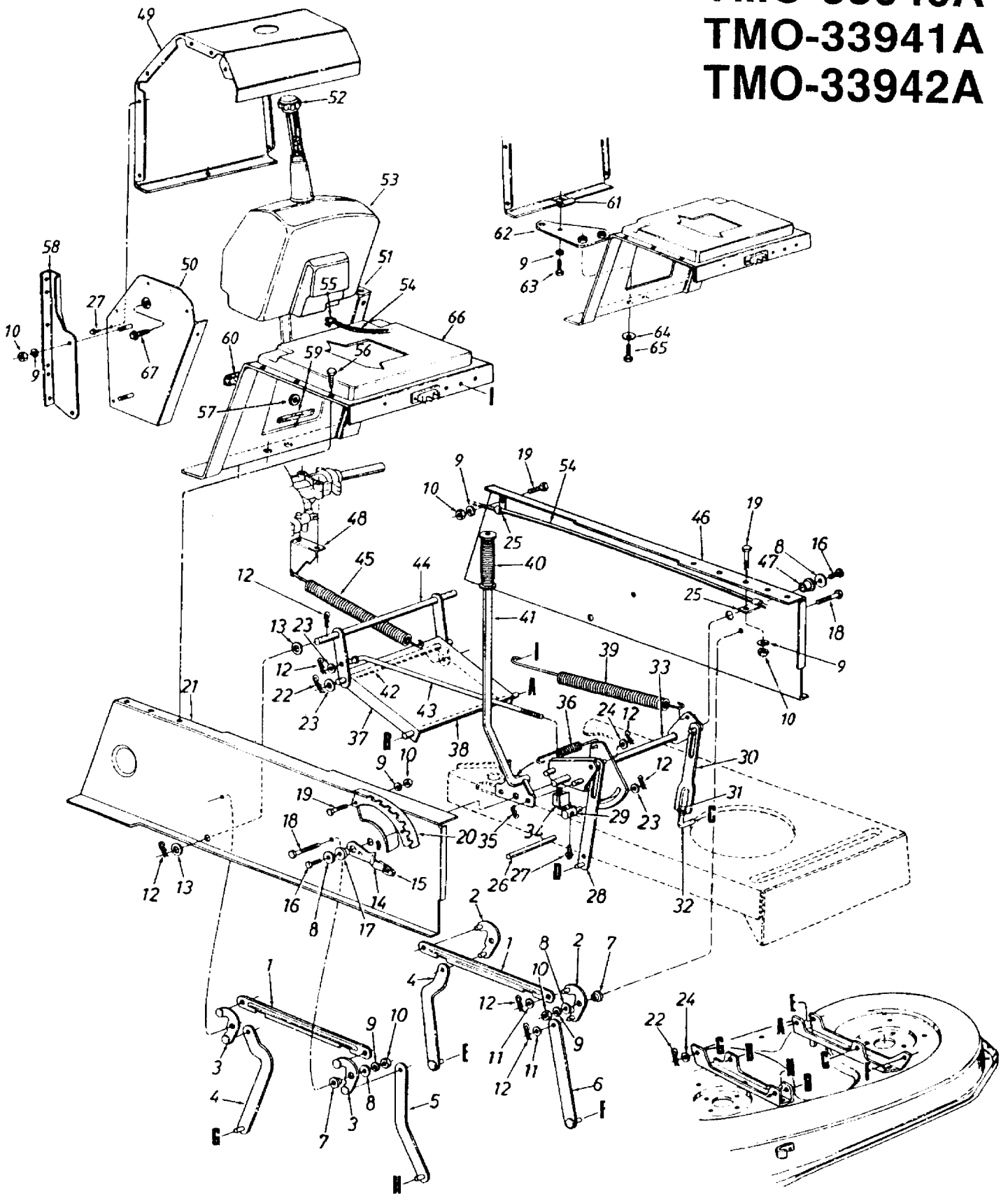

TMO-33940A
TMO-33941A
TMO-33942A

42" LAWN TRACTORS
PARTS LIST FOR MODEL TMO-33940A, TMO-33941A AND TMO-33942A

REF. NO.	PART NO.	DESCRIPTION
1	09735A	Connecting Rod
2	17640	Pivot Link Ass'y.—L.H.
3	17641	Pivot Link Ass'y.—R.H.
4	17710	Deck Hanger Link Ass'y.
5	14800	Deck Hanger Link Ass'y.
6	14804	Deck Hanger Link Ass'y.
7	748-0331	Shld. Spacer .318" I.D.
8	736-0231	Fl-Wash. .344" I.D. x 1.125"
9	736-0119	L-Wash. 5/16" I.D.*
10	712-0267	Hex Nut 5/16-18 Thd.*
11	736-0192	Fl-Wash. .531" I.D. x .94" O.D.
12	714-0144	Cotter Pin 1/8" Dia.
13	736-0256	Fl-Wash. .635" I.D. x 1.0" O.D.
14	732-0412A	Deck Lift—Down Stop (Incl. Ref. 15)
15	08540	Knob
16	710-0604	Hex Wash. TT-Tap Scr. 5/16-18 x .75" Lg.
17	748-0176	Flange Brg. .63" I.D.
18	710-0650	Hex Wash. TT-Tap Scr. 5/16-18 x .875" Lg.
19	710-0118	Hex Bolt 5/16-18 x .75" Lg.
20	17730	Index Brkt.
21	17622	Upper Frame—R.H.
22	714-0101	Inter. Cotter Pin ½" Dia.
23	736-0267	Fl-Wash. .385" I.D. x .87" O.D.
24	736-0160	Fl-Wash. .531" I.D. x .93" O.D.
25	726-0272	Clamp
26	738-0526	Running Board Rod
27	710-0351	Truss Mach. Scr. #10 x .5" Lg.
28	14802A	Link Deck Lift Ass'y.
29	711-0723A	Adj. Ferrule 3/8-24 Thd.
30	17712	Adj. Deck Lift Link
31	712-3029	Hex Jam Nut ½-20 Thd. (Gr. 5)
32	711-0841	Lift Link Adjuster
33	17637	Lift Shaft Ass'y.
34	725-0803B	Safety Switch (Deck)
35	714-0145	Inter. Cotter Pin 3/8" Dia.
36	732-0637	Extension Spring
37	17636	Stabilizer Bracket
38	738-0670	Shaft ½" Dia. x 10.28" Lg.
39	732-0638	Extension Spring
40	720-0233	Grip (Lift Handle)
41	17675	Deck Lift Handle Ass'y.
42	738-0669	Shaft 3/8" Dia. x 9.34" Lg.
43	747-0598	Disengagement Rod
44	17624	Stabilizer Shaft Ass'y.
45	732-0530	Extension Spring 13.25" Lg.
46	17623	Upper Frame—L.H.
47	741-0313	Flange Brg. .632" I.D.
48	17128	Spring Retainer Brkt.
49	16238	Gas Tank Housing
50	17082	Side Panel Ass'y.—R.H.
51	17083	Side Panel Ass'y.—L.H.
52	751-0226A	Gas Gauge
53	751-0530A	Gas Tank
54	751-0535-46	Fuel Line
55	726-0205	Hose Clamp
56	710-0726	Hex Wash. AB-Tap 5/16 x .75" Lg.
57	735-0112	Rubber Grommet
58	17078	Mtg. Brkt.—R.H. (Use w/Optional Grass Catcher)
	17077	Mtg. Brkt.—L.H. (Use w/Optional Grass Catcher)
59	731-0511-5	Trim Strip
60	722-0157	Foam Strip
61	726-0211	Speed Nut
62	17166	Hitch Bar Ass'y.
63	710-0376	Hex Bolt 5/16-18 x 1.0" Lg. (Gr. 5)
64	736-0105	Bell-Wash. .38" I.D. x .88"
65	710-0623	Hex Wash. Tap Scr. 3/8-16 x .75" Lg.
66	17226A	Hitch Plate
67	710-0653	Hex Wash. Hd. Tap Scr. ¼-20 x .38" Lg.

*Common Hardware—May be purchased locally.
IMPORTANT: DO NOT order parts by reference number (Ref. No.).

TMO-33940A
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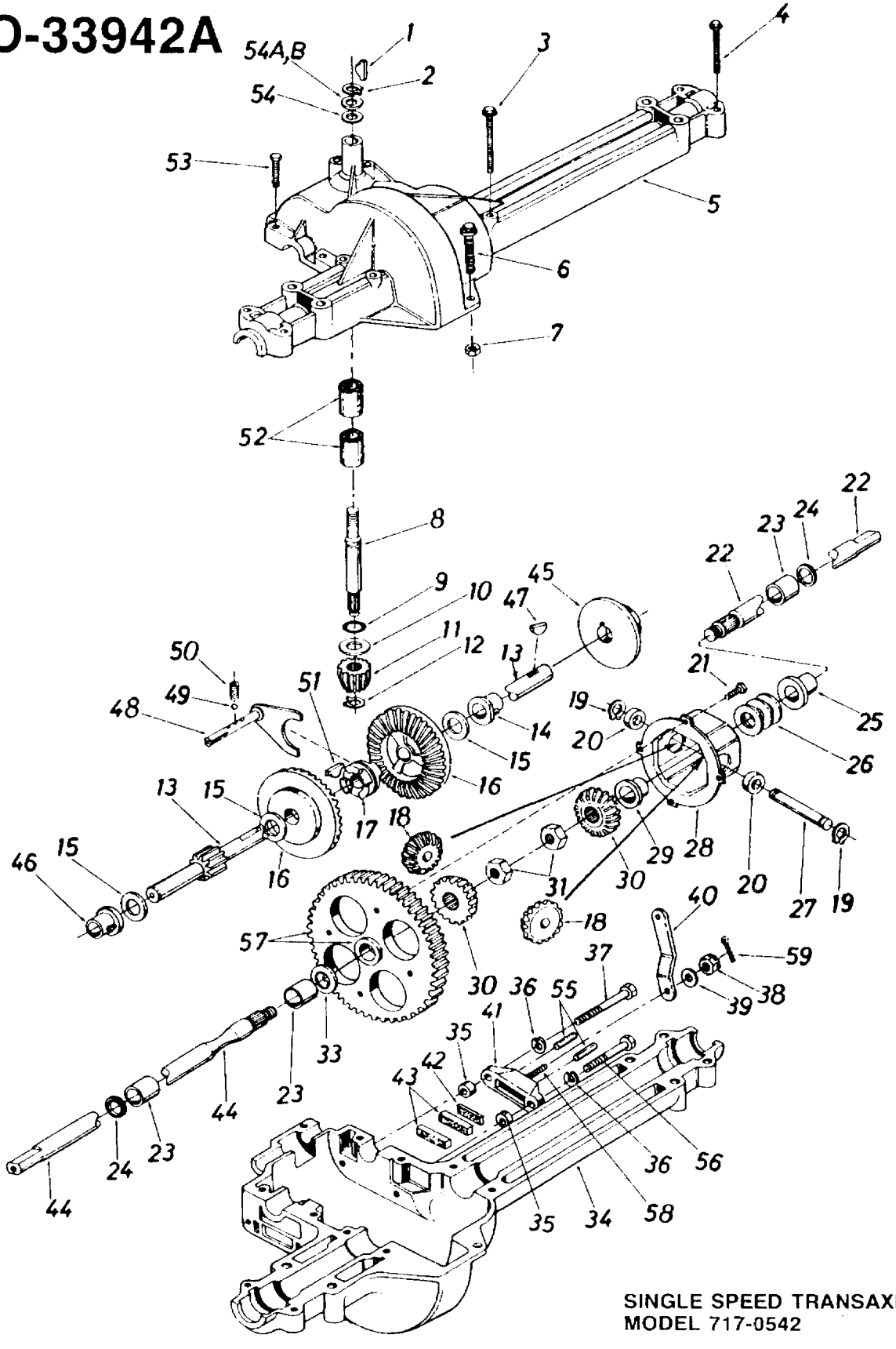

SINGLE SPEED TRANSAXLE—R.H.
MODEL 717-0542

TMO-33940A
TMO-33941A
TMO-33942A

42" LAWN TRACTORS
PARTS LIST FOR MODEL TMO-33940A, TMO-33941A AND TMO-33942A

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	714-0129	#4 Hi-Pro Key 3/32 x 5/8" Dia.	33	736-0351	Fl-Wash. .75" I.D. x 1.5" O.D.
2	716-0115	Snap Ring .625" Shaft	34	717-0541	Lower Housing
3	710-0854	Hex Bolt ¼-20 x 1.75" Lg.*	35	750-0555	Spacer .53" O.D. x 3/8" Lg.
4	710-0809	Hex Bolt ¼-20 x 1.25" Lg.*	36	736-0329	L-Wash. ¼" I.D.*
5	717-0540	Upper Housing	37	710-0886	Hex Bolt ¼-20 x 1.50" Lg. (Grade 5)
6	710-0642	Hex Fl-Bolt ¼-20 x .75" Lg.			
7	712-0287	Hex Nut ¼-20 Thd.*	38	712-0335	Castle Nut 5/16-24 Thd.*
8	717-0634	Input Shaft	39	736-0371	Fl-Wash. .34" I.D. x .875" O.D.
9	721-0178	Square Seal 5/8" I.D.			
10	736-0335	Thrust Washer 5/8" I.D. x 1.25" O.D.	40	717-0700	Actuating Arm—R.H.
			41	717-0679	Brake Yoke
11	717-0633	Pinion Input 14T	42	717-0682	Puck Plate
12	716-0108	Retaining Ring 7/16" Ext.	43	717-0678	Brake Puck
13	717-0758	Drive Shaft—R.H.	44	717-0536	Axle L.H.
14	741-0336	Flange Brg. 5/8" I.D. x ¾" Lg.*	45	717-0677	Brake Disc
			46	741-0337	Flange Bearing 5/8" I.D. x 15/16" Lg.
15	**	Fl-Wash. (See Below)			
16	717-0757	Bevel Gear 42T	47	714-0161	Woodruff Key 3/16 x 5/8 HT
17	717-0667	Clutch Collar	48	717-0754	Shift Fork Ass'y.
18	717-1020	Miter Gear 15T	49	741-0862	Ball Detent .250" Dia.
19	716-0142	Snap Ring	50	732-0863	Spring Detent
20	717-0690	Thrust Bearing ½" I.D. x 1.0" O.D.	51	714-0169	#9 Hi-Pro Key 3/16" x ¾" Dia. HT
21	710-0862	Pan Head Scr. ¼-20 x .50" Lg. w/Patch	52	741-0335	Needle Brg. 5/8" I.D. x ½" Lg.
22	717-0537	Axle R.H.	53	710-0855	Hex Bolt ¼-20 x 1.00" Lg.
23	741-0340	Sleeve Bearing ¾" I.D. x 1.0" Lg.	54	736-0336	Fl-Wash. 5/8" I.D. x .030
			54A	736-0337	Fl-Wash. 5/8" I.D. x .040
24	721-0179	Oil Seal ¾" I.D.	54B	736-0349	Fl-Wash. 5/8" I.D. x .020
25	741-0339	Flange Bearing ¾" I.D. x 15/16" Lg.	55	741-0343	Actuating Pin 5/16" Dia.
			56	710-0886	Hex Bolt ¼-20 x 1.50" Lg. (Grade 5)
26	736-0188	Fl-Wash. .760" I.D. x 1.49" O.D.			
			57	717-0767	Differential Gear 72T Ass'y. w/Bearing
27	717-0673	Cross Shaft			
28	717-0777	Differential Housing Ass'y.	58	717-0796	Sq. Hd. Bolt 5/16-24 Thd.
29	—	Comes with Ref. 28	59	1544-013	Cotter Pin 3/32" Dia. x .50" Lg.
30	717-1019	Miter Gear			
31	712-0200A	Hex Ins. L-Nut ½-20 Thd.	—	737-0148	Grease—Shell (10 oz.)

**Ref. No. 15 736-0349 Fl-Wash. 5/8" I.D. x 1.0" O.D. x .020 Thk.
736-0336 Fl-Wash. 5/8" I.D. x 1.0" O.D. x .030 Thk.
736-0337 Fl-Wash. 5/8" I.D. x 1.0" O.D. x .040 Thk.

SERVICE NATIONWIDE

Montgomery Ward

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Replacement Parts will be made available at current prices. If requested, prices will be quoted in advance when not listed.

If you order parts by mail, you will pay the transportation charges from the shipping point.

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UNIT SERIAL NO. _____

ENGINE MODEL NO. _____

TYPE NO. _____

CODE NO. _____

PART NO. 770-7278E
130-673G088
130-678G088
130-670G088

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